

# FILE NOTATIONS

Entered in N I D File

✓

Entered On S R Sheet

\_\_\_\_\_

Location Map Pinned

\_\_\_\_\_

Card Indexed

✓

I W R for State or Fee Land

\_\_\_\_\_

Checked by Chief

\_\_\_\_\_

Copy N I D to Field Office

\_\_\_\_\_

Approval Letter

\_\_\_\_\_

Disapproval Letter

\_\_\_\_\_

## COMPLETION DATA:

Date Well Completed

\_\_\_\_\_

OW

WW

TA

GW

OS

PA

Location Inspected

\_\_\_\_\_

Bond released

\_\_\_\_\_

State of Fee Land

\_\_\_\_\_

## LOGS FILED

Driller's Log

\_\_\_\_\_

Electric Logs (No. )

\_\_\_\_\_

E

I

E-I

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

\_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Husky Oil Company

## 3. ADDRESS OF OPERATOR

600 South Cherry Street, Denver, CO 80222

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface

906' FWL and 1155' FSL, Lot 8, Sec. 30, T29S, R24E, SLBM

At proposed prod. zone

Same as above

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 12 miles west southwest of LaSal, Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

906'

## 16. NO. OF ACRES IN LEASE

934.99

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

732.12

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

None

## 19. PROPOSED DEPTH

9900'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6377' Ground

## 22. APPROX. DATE WORK WILL START\*

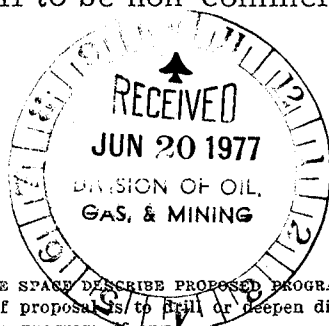
July 25, 1977

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	54.5	1500'	Sufficient to circulate
12-1/4	9-5/8	36.0 & 40.0	5500'	100 sacks
8-1/2	7.0	26.0, 32.0, 35.0	9500'	100 sacks

Drill 17-1/2" hole to +1500'. Run and cement 13-3/8" casing. Drill out with 12-1/2" bit to +5500 (top of Paradox Salt). Run and cement 9-5/8" casing. Drill out with 8-1/2" bit to +9900'. Log and evaluate hole. Run and cement 7.0" production casing if warranted by log evaluation. If the log evaluation shows the well to be non-commercial, it will be plugged in accordance with USGS regulations.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

TITLE

Drilling Engineer

DATE

6/15/77

(This space for Federal or State office use)

PERMIT NO.

43-037-30382

APPROVAL DATE

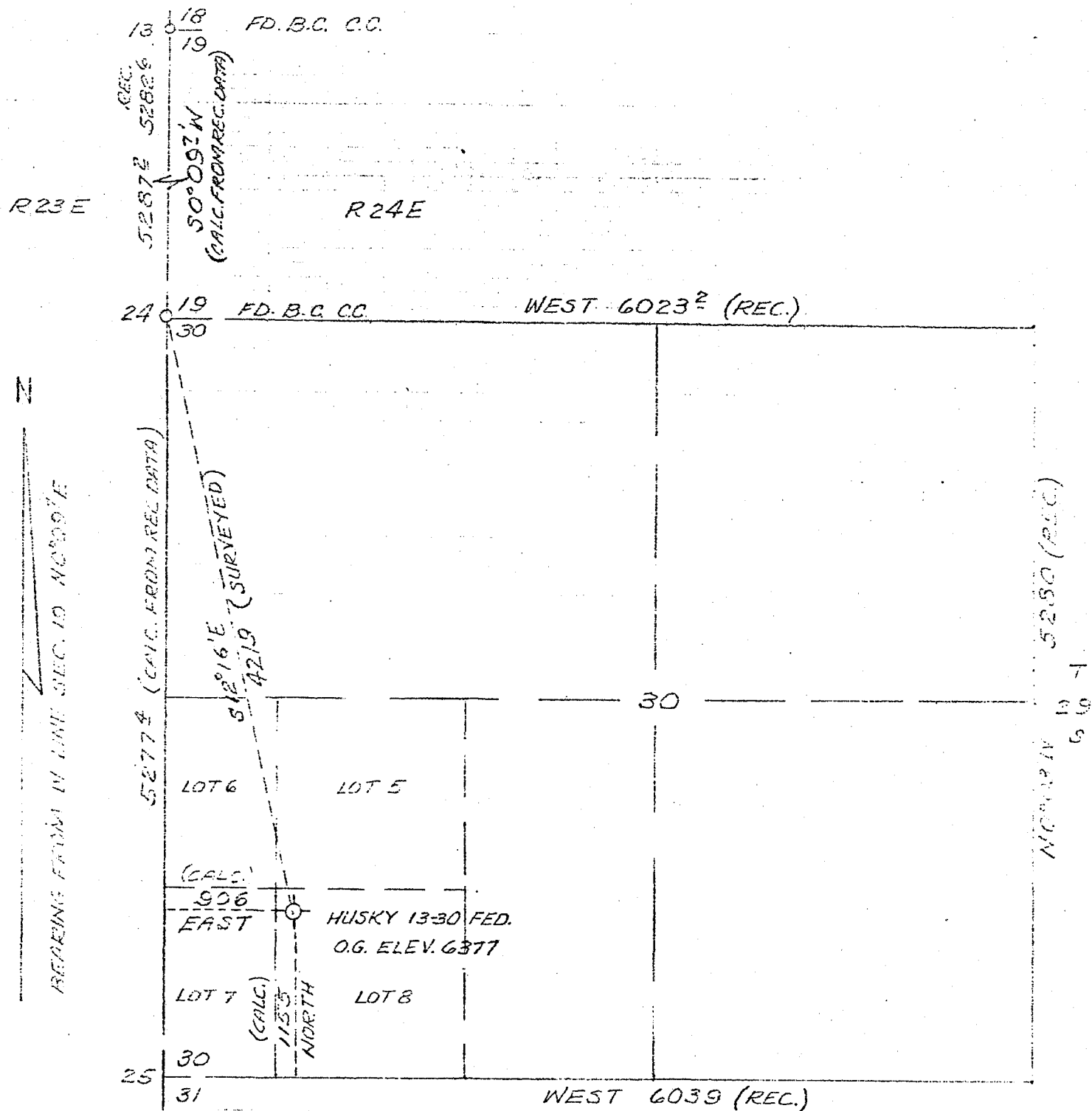
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

# WELL LOCATION PLAT

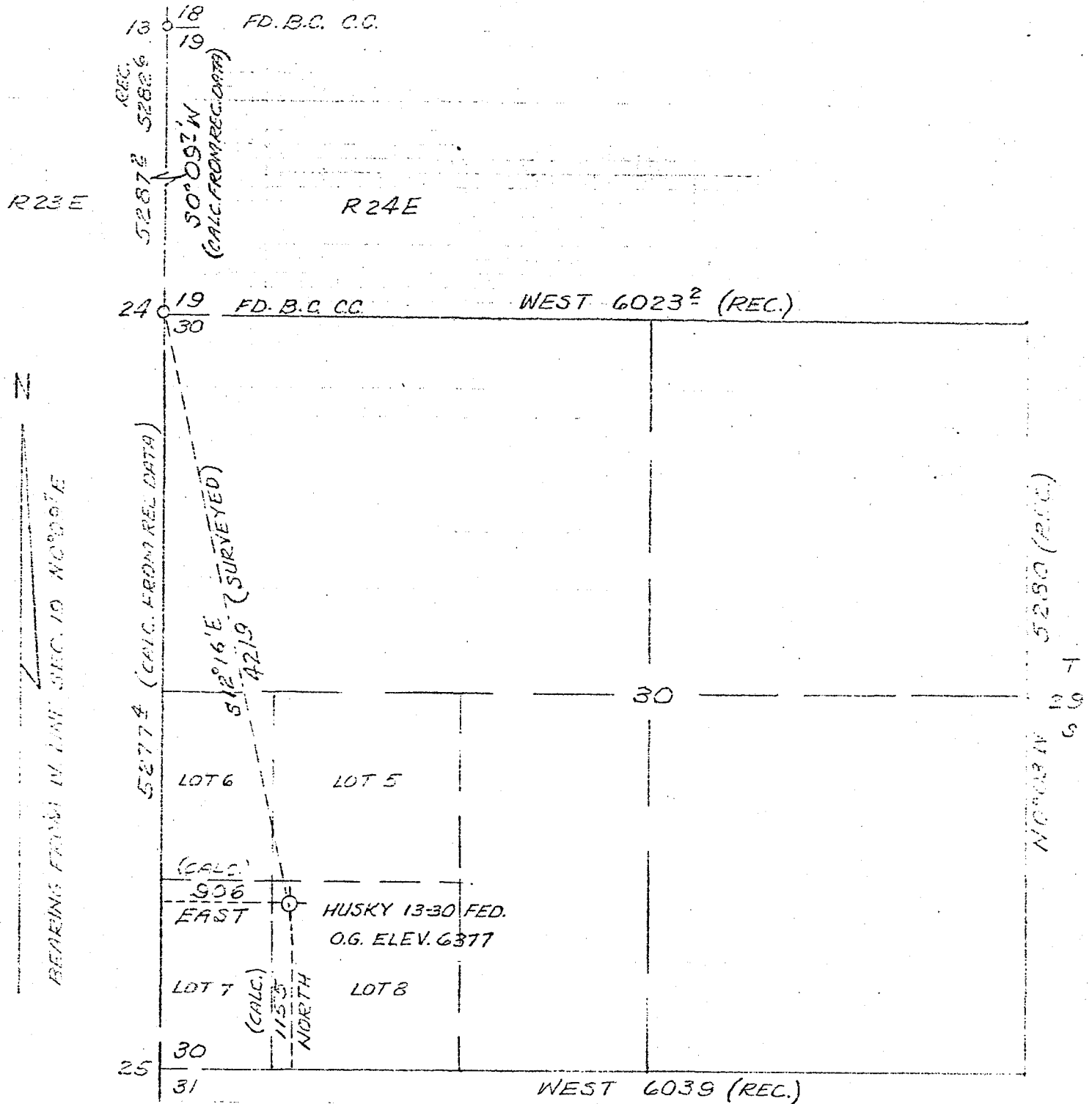


ELEV. BY VERTICAL ANGLES FROM U.S.G.S. TOPO. MAP  
 "LA SALL JUNCTION, UTAH" 1954 ( $24 \frac{19}{30} = 6480$ )

*John F. Hoag*  
 UTAH REG'D. L.S. N° 1963

PLAT OF HUSKY 13-30 FED. WELL LOCATION  
 IN SW 1/4 SEC. 30, T29S, R24E, S.L.B. & M.  
 SAN JUAN COUNTY, UTAH  
 FOR: HUSKY OIL COMPANY  
 SCALE: 1"=1000' APRIL 29, 1977  
 TRANSIT & DISTANCE METER SURVEY

# WELL LOCATION PLAT



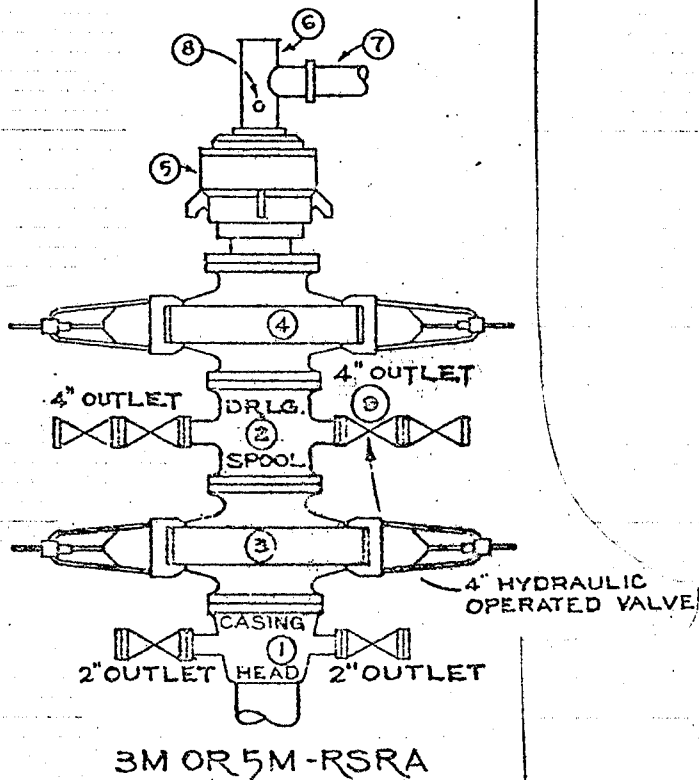
ELEV. BY VERTICAL ANGLES FROM U.S.G.S. TOPO. MAP  
"LA SALLE JUNCTION, UTAH" 1954 ( $24 \frac{19}{30} = 6480$ )

*John E. Hoag*  
UTAH REG'D. P.S. N°1963

PLAT OF HUSKY 13-30 FED. WELL LOCATION  
IN SW 1/4 SEC. 30, T29S, R24E, S.L.B. & M.  
SAN JUAN COUNTY, UTAH  
FOR: HUSKY OIL COMPANY  
SCALE: 1"=1000' APRIL 29, 1977  
TRANSIT & DISTANCE METER SURVEY

# BLOWOUT PREVENTER REQUIREMENTS FOR 3000 LB SERVICE

## MINIMUM BOP FOR 3M



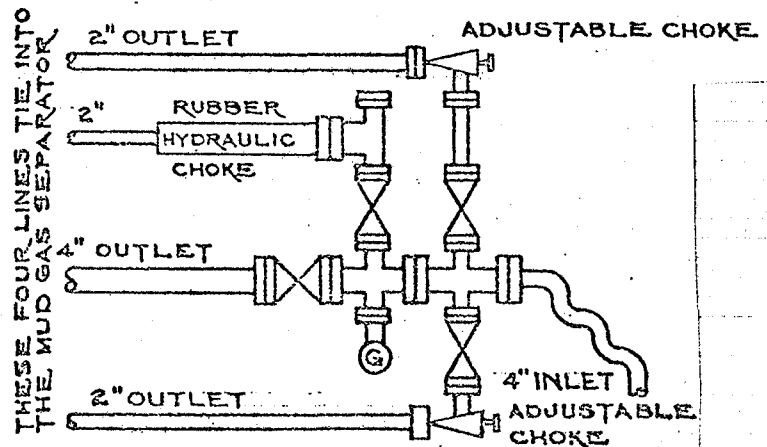
### TEST:

AFTER NIPPLING UP ON SURFACE PIPE BUT BEFORE DRILLING OUT THE CEMENT PLUG THE B.O.P.'S SHALL BE TESTED TO THE RATED WORKING PRESSURE

### FREQUENCY:

THE BOP'S SHALL BE CYCLED CLOSED AND OPEN EVERY TIME A TRIP IS MADE.

## MINIMUM CHOKE MANIFOLD FOR 3M

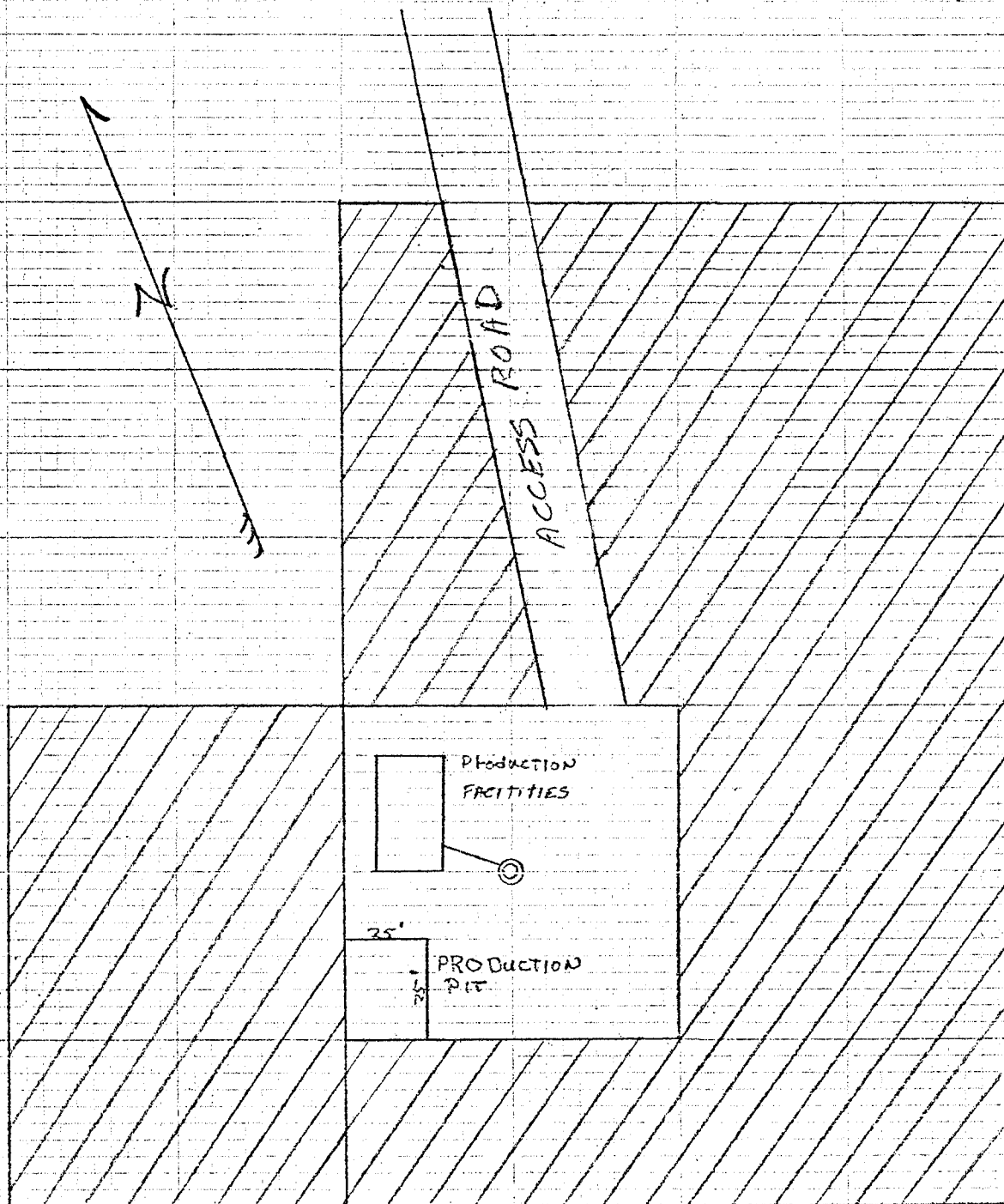


### LEGEND

- (G) PRESSURE GAUGE
- (1) CASING HEAD w/ 2-2" OUTLETS
- (2) DRILLING SPOOL w/ 2 FLGD. OUTLETS
- (3) RAM TYPE BOP w/ PIPE RAMS
- (4) RAM TYPE BOP w/ BLIND RAMS
- (5) HYDRIL BOP (ANNULAR TYPE)
- (6) BELL NIPPLE
- (7) FLOWLINE MINIMUM SIZE 6" L.P.
- (8) 2" FILL UP LINE AT RIGHT ANGLE TO FLOW LINE (7)
- (9) HYDRAULICALLY OPERATED VALVE

EXHIBIT "C"

PRODUCTION LAYOUT  
HUSKY 13-30 FEDERAL

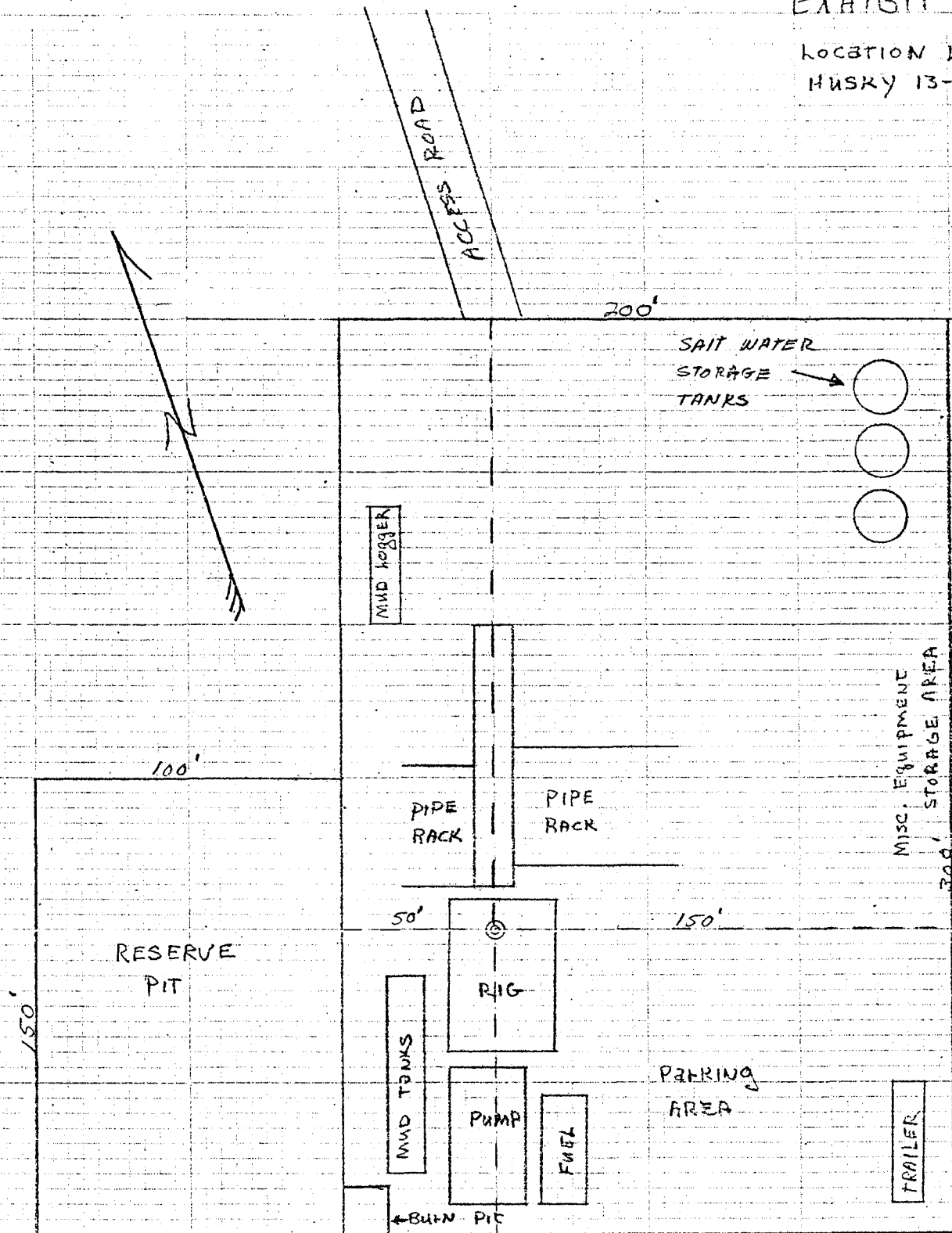


SHADED AREA DENOTES  
RESTORED PORTION OF  
DRILLING LOCATION.

SCALE 1"=50'

# EXHIBIT "D"

LOCATION LAYOUT  
HUSKY 13-30 FEDERAL



SCALE 1" = 50'



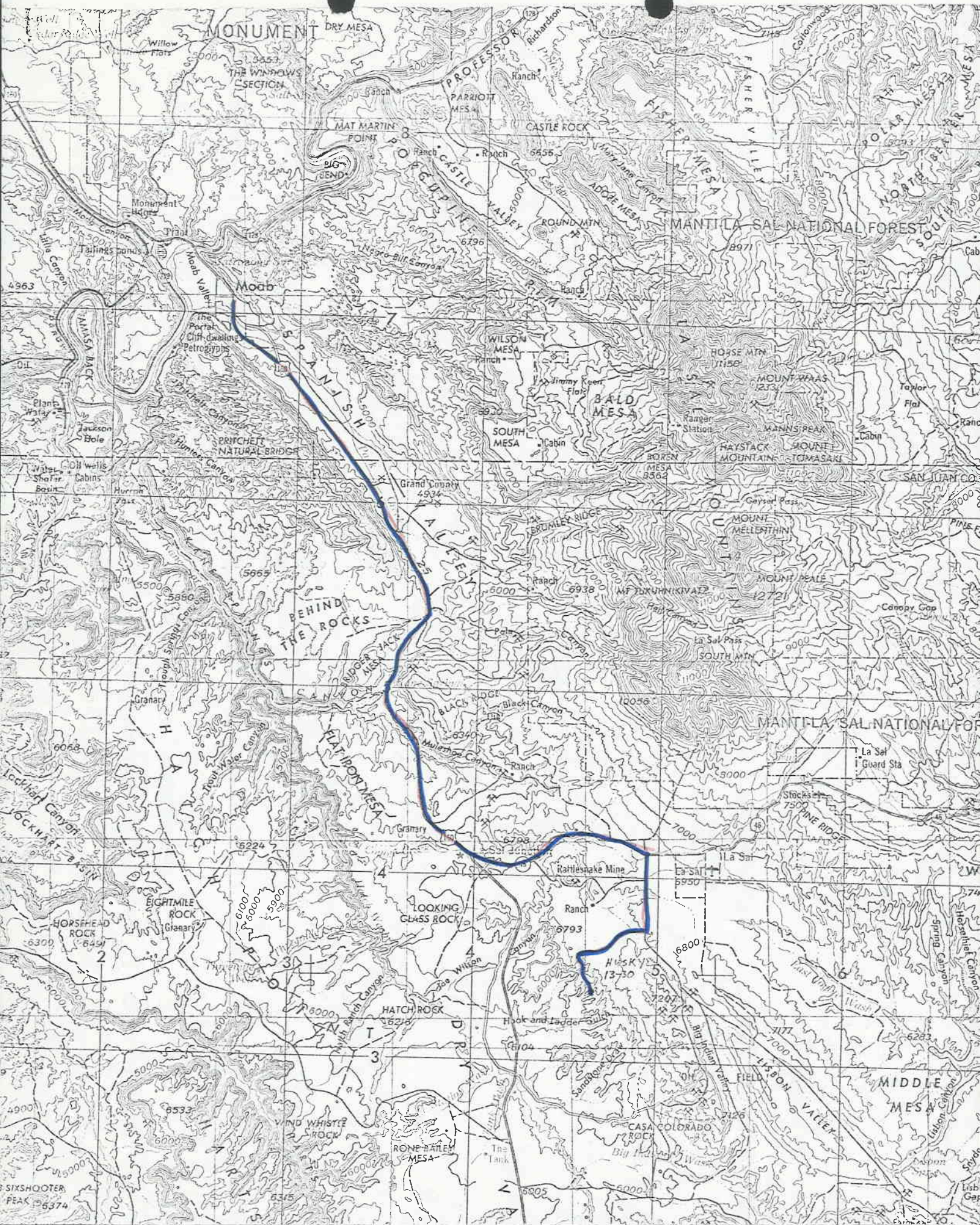
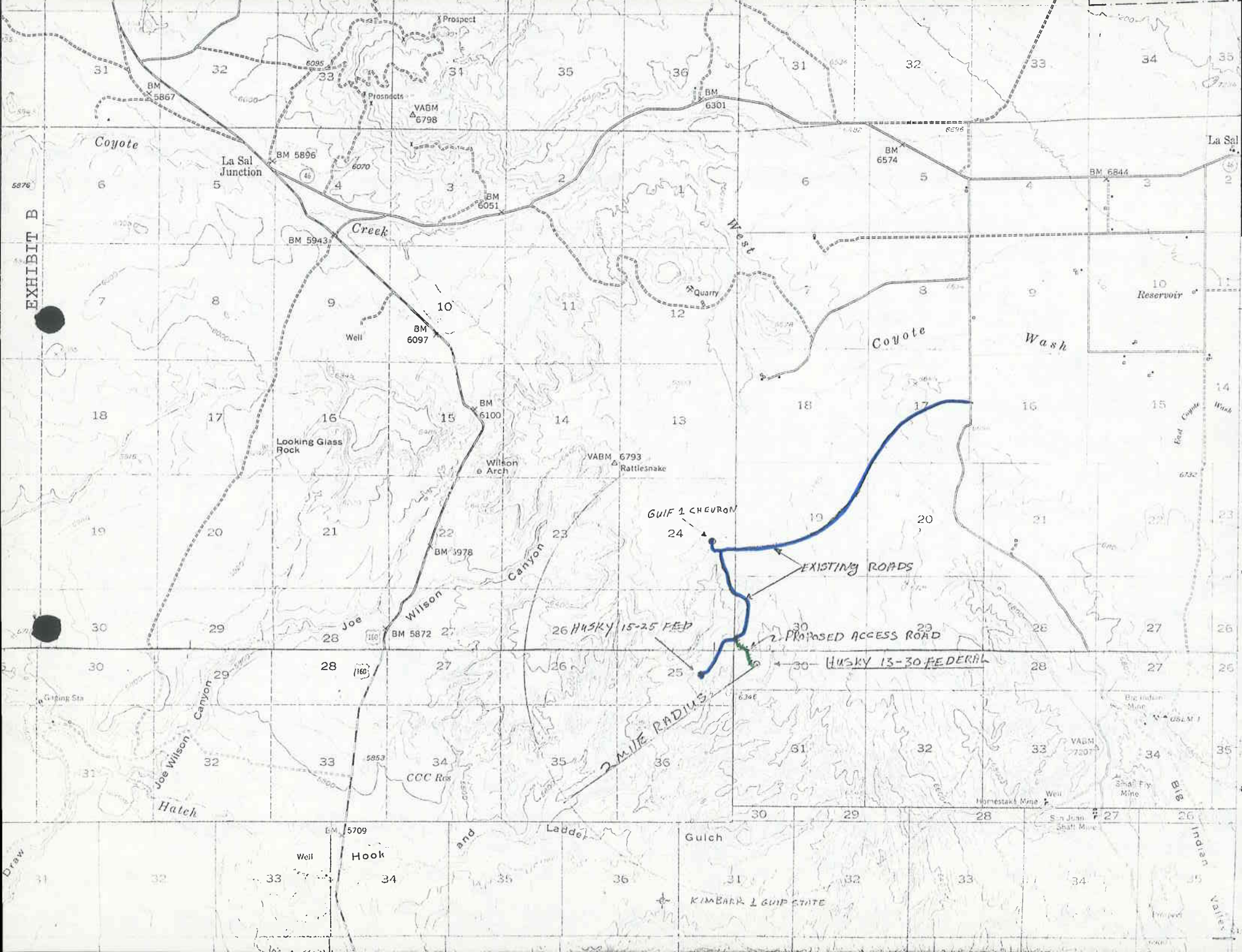
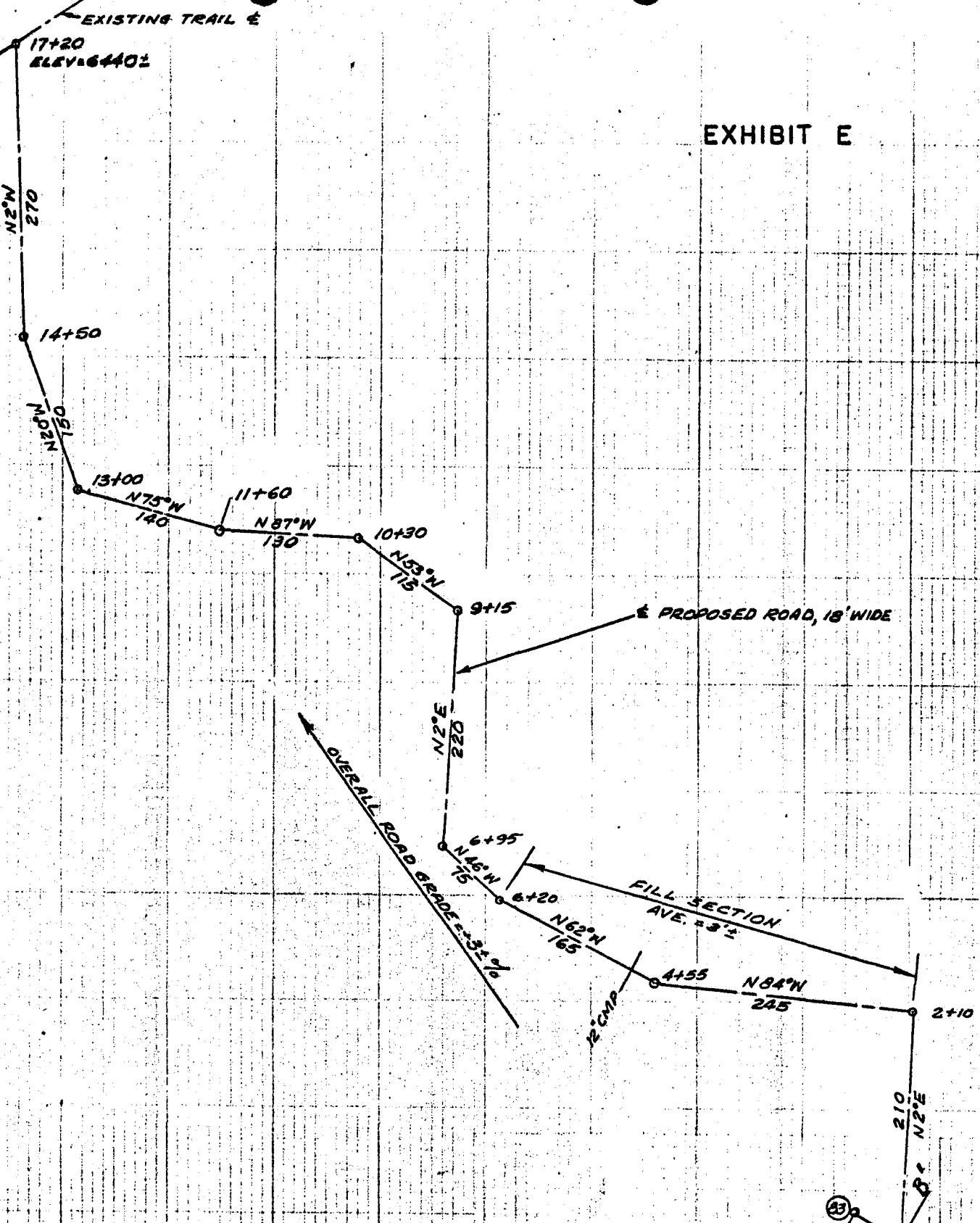




EXHIBIT B



# EXHIBIT E



MAP OF PROPOSED WELL SITE AND ACCESS ROAD  
FOR: HUSKY 13-30 FED. WELL  
IN SW 1/4, SEC 30, T29S, R24E,  
SAN JUAN COUNTY, UTAH  
SCALE: APRIL 29, 1977  
WELL SITE BY STADIA SURVEY  
ROUTE BY COMPASS SURVEY  
TOTAL ROUTE THROUGH MINOR  
CUT & FILL SECTIONS WITH LESS  
THAN 2' OF OVERBURDEN EXCEPT  
WHERE NOTED.

J.E. KEOGH, UTAH REG'D. L.S. N°1963

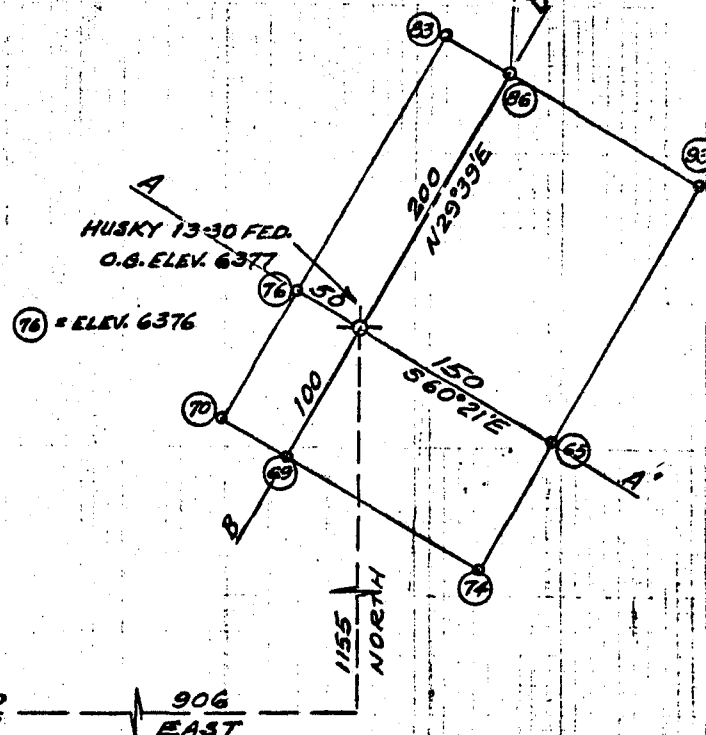
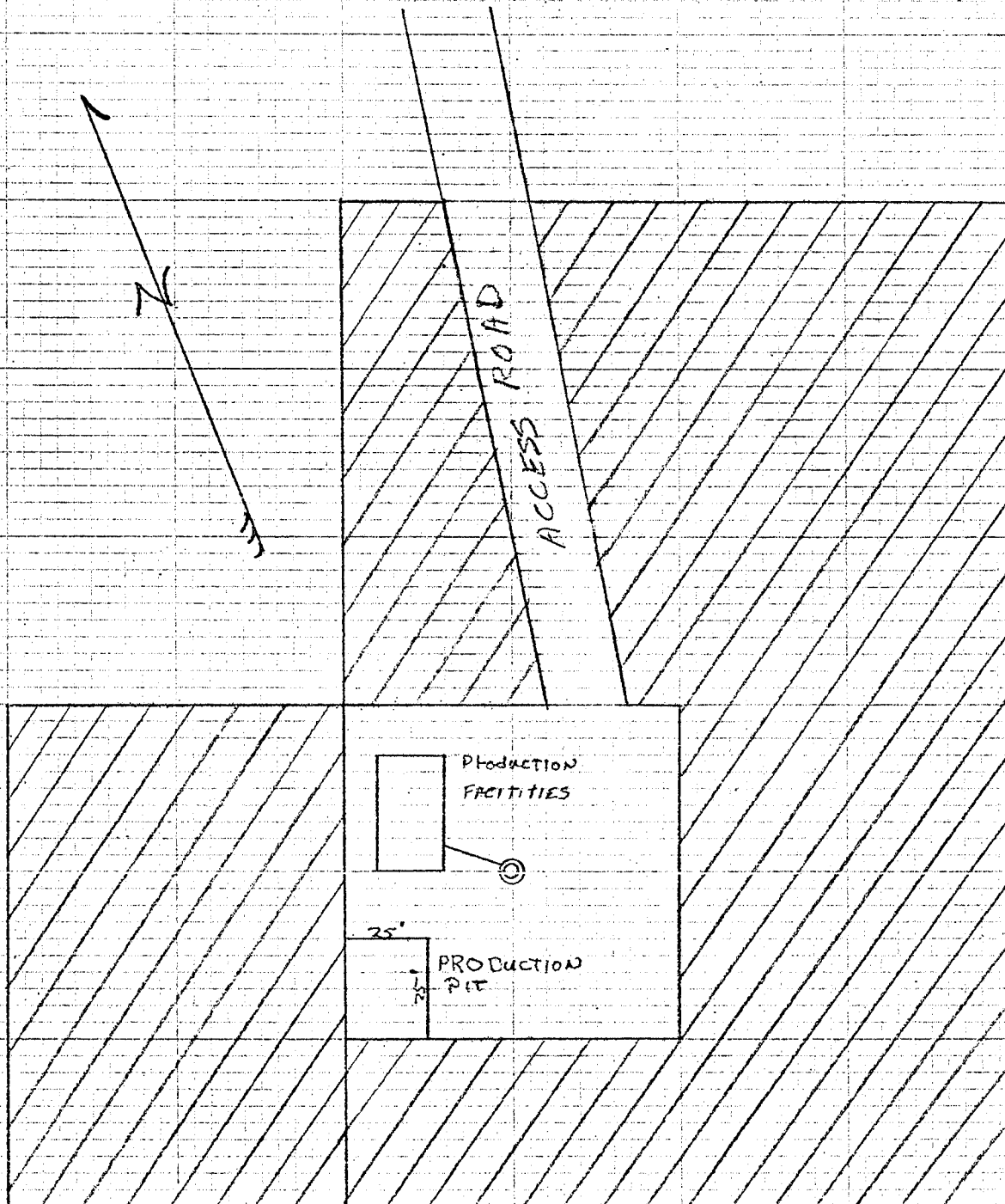


EXHIBIT "C"

Production Layout  
HUSKY 13-30 FEDERAL

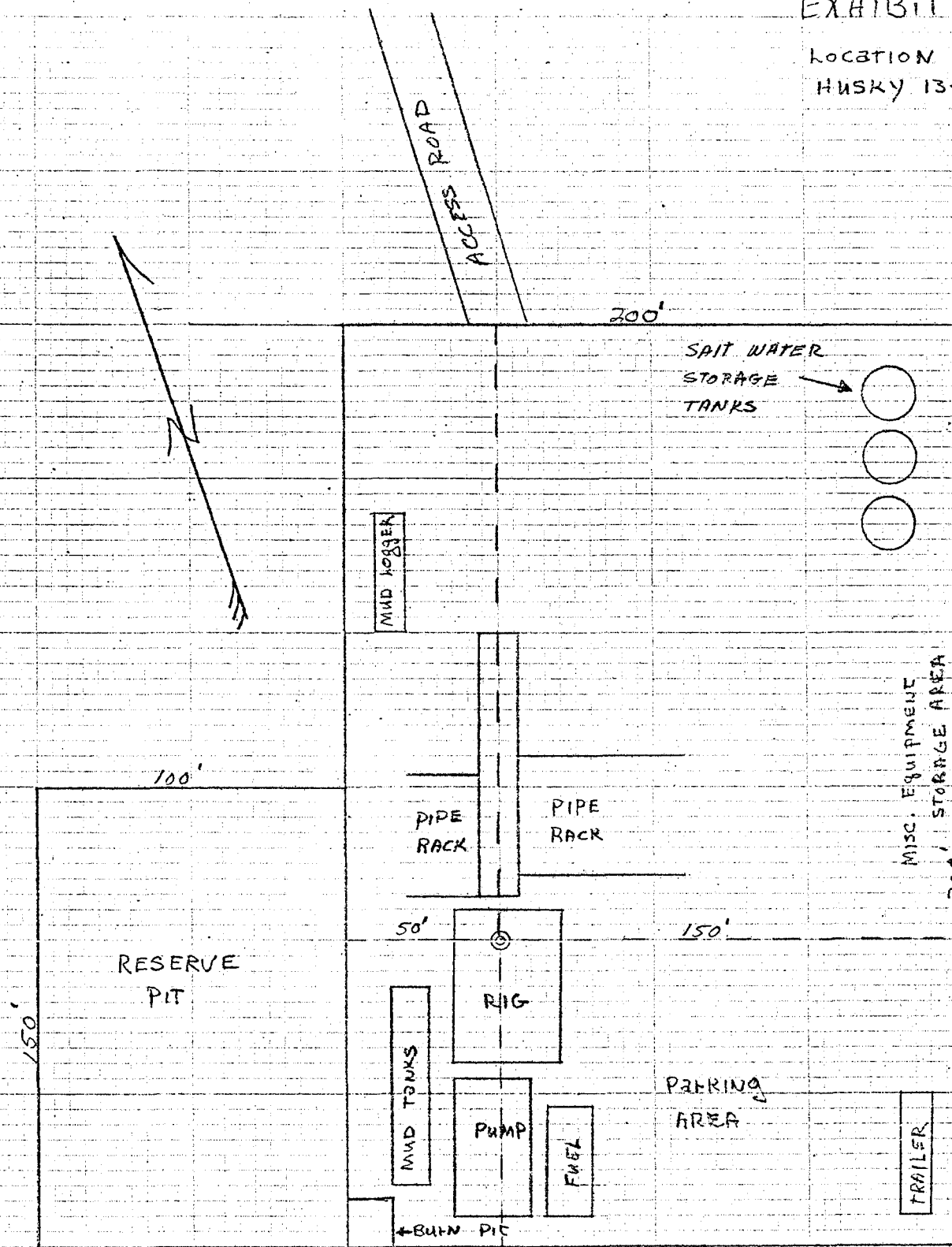


SHADED AREA DENOTES  
RESTORED PORTION OF  
DRILLING LOCATION.

SCALE 1"=50'

# EXHIBIT "D"

LOCATION LAYOUT  
HUSKY 13-30 FEDERAL

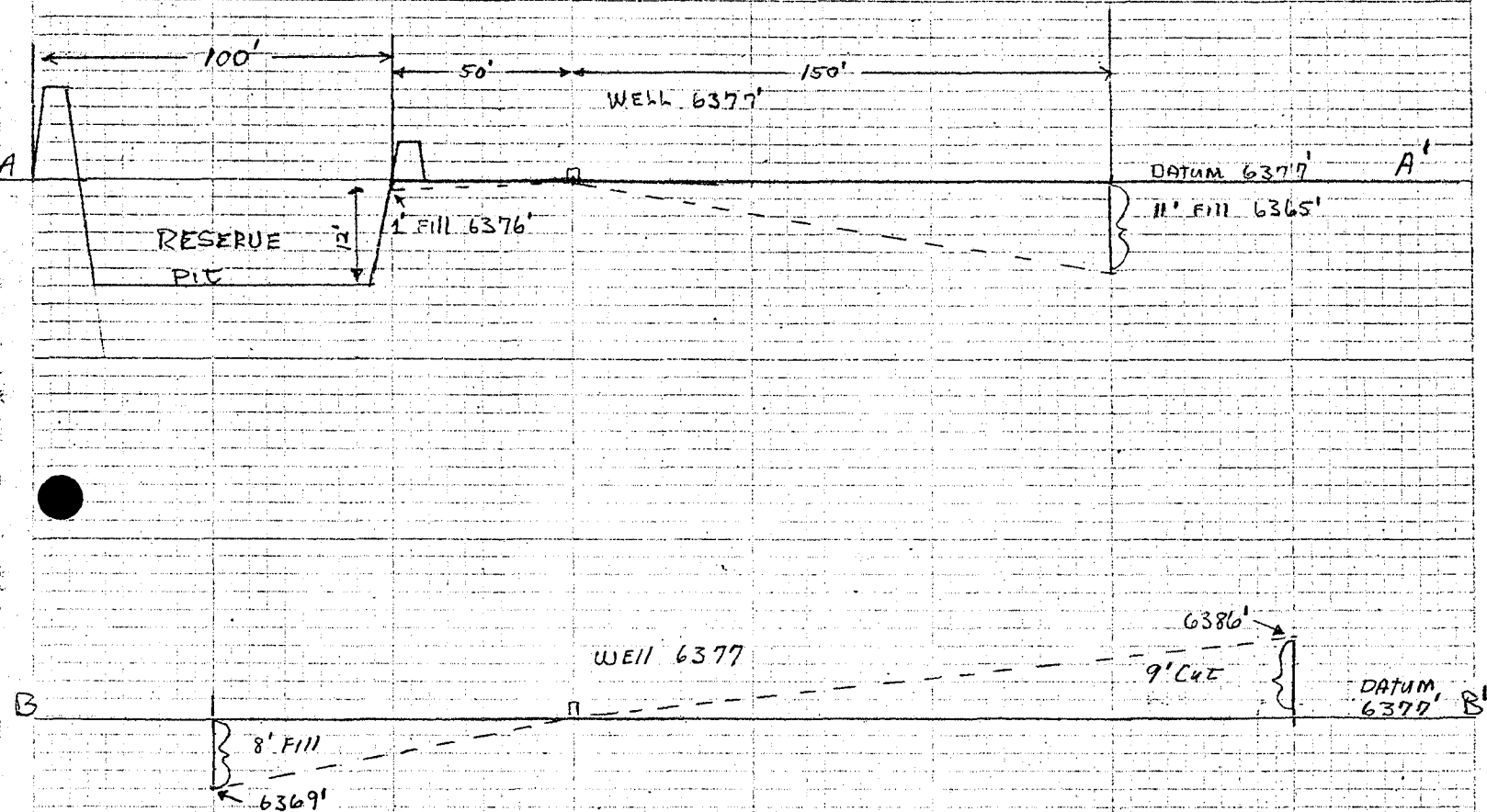


SCALE 1" = 50'



# EXHIBIT "F"

CROSS SECTION OF  
LOCATION  
HUSKY 13-30 FEDERAL



FOR REFERENCE TO AA' AND BB'  
SEE TOPOGRAPHIC SURVEY  
EXHIBIT "E"

VERTICAL SCALE 1" = 20'  
HORIZONTAL SCALE 1" = 50'

1. Surface Formation: Navajo Sandstone, Jurassic
2. Important Geological Markers:

<u>Formation</u>	<u>Depth</u> <u>KB</u>
Navajo	Surface
Kayenta	290
Wingate	500
Chinle	800
Moenkopi	1425
Cutler	1475
Hermosa	3400
Salt	5500
Cane Creek	7975
Mississippi	8875
McCracken	9600

3. Gas and oil expected in the Cane Creek at 7950' and Mississippian at 8875' formations. Water and other mineral-bearing formations are unknown.
4. Casing Program:
  - 0-1500' 13-3/8" 54.5#/ft. K-55 New ST&C, Range 3
  - 0-5500' 9-5/8" 36.0#/ft. K-55 & 40.0#/ft. N-80, New, LT&C, Range 3
  - 0-9600' 7.0" 26.0#/ft. K-55, 32.0 & 35.0#/ft. C-75, New, LT&C, Range 3
5. Pressure Control:
  - 9-5/8" x 10"-900 series casing head for drilling 8-1/2" hole
  - 10" - 900 series dual ram hydraulic blowout preventers and
  - 10" - 900 series Hydril (or equivalent) for drilling 8-1/2" hole.
  - All choke lines, choke manifold, valves, fittings, etc., will have a minimum pressure rating of 3000 psi.

All BOP equipment will be pressure tested prior to drilling out the casing shoe and will be checked daily for mechanical operation.
6. Mud Program:
  - 0-5500': Fresh water mud at company discretion to maintain good hole conditions to run surface and intermediate casing.
  - 5500'-TD @9900': Salt water brine with additions of weighting material as required to control bottom hole pressures encountered while drilling.

## 7. Auxiliary Equipment:

Kelly cock, stabbing valve on the floor and float at the bit. The use of mud monitoring equipment is anticipated. In addition, a degasser and gas buster will be utilized as required.

## 8. Testing, Logging and Coring:

1. DST anticipated in the Cane Creek and the Mississippi formations.
2. Logging minimums are a Dual Induction Laterolog and a Sonic-Gamma Ray log across the zones of interest.

## 9. Abnormal Hazards:

Abnormal pressures are anticipated in the Cane Creek equivalent to 12.6 ppg. Slight amounts of H<sub>2</sub>S are anticipated in the Mississippi formation. The maximum bottom-hole pressure anticipated is 6486 psi in the McCracken formation.

10. Anticipated starting date: 7/25/77  
Anticipated duration: 50 days

## EXHIBITS

- A. Sectional with Route Marked.
- B. Topographic Map Section
- C. Proposed Production Facilities
- D. Location Layout with Burn Pit
- E. Topographic Sketch of Location
- F. Cross Section of Location Showing Cuts and Fills



MULTI-POINT REQUIREMENTS TO ACCOMPANY FORM 9-311-C

Husky 13-30 Federal

1. Existing Roads
  - A. See attachments, Exhibits "A, B and E"
  - B. Main Roads:

To reach Husky well location 15-25 in the SW corner of Section 30, Township 29 South, Range 24 East, proceed south from Moab Town, Utah on U.S. Highway 163 22 miles; exit to the east on Utah State Highway 46 and proceed 5 miles toward La Sal Town, Utah. Exit south on blacktop unmarked county road, locally referred to as the Lisbon Valley Road. Proceed south 2 miles. Exit off of blacktop road to the right (west) on a dirt road. (Gulf well marker). Proceed down this road 2.2 miles at which point the road forks. Take the left fork and proceed approximately 1.5 miles. The proposed access road is flagged on the left side of the road at this point. (See Exhibits A, B and E depicting access road and location.)

2. Planned access roads, Exhibit E
  1. Width -  $\pm 18'$
  2. Maximum Grades - overall road grade  $\pm 3\%$
  3. Turnouts - none
  4. Drainage design - none required
  5. Location and size of culverts - none fill  $\pm 3'$
  6. Surface Material - sand and clay
  7. Necessary gates - none
  8. Center line flagging presently center line flagged and surveyed (see Exhibit E).

3. Location of Existing Wells (See Exhibit "B".)

There are no known wells within the SW  $\frac{1}{4}$  of the SE  $\frac{1}{4}$  of Section 30, T29S-R24E. There are three known well locations within a two-mile radius of the above designated location. One well, a producing oil well, is 1.5 miles due north and  $\frac{1}{4}$  mile east of the above mentioned proposed location. The second well, an abandoned oil well, is approximately 1.75 miles due south and  $\frac{1}{4}$  mile west of the above mentioned proposed location. The third well, a shut-in gas well, is located .4 miles west and .1 mile south of the proposed location.

4. Location of Existing and/or Proposed Facilities

- A. There are no facilities owned or controlled by the lessee/operator within a one-mile radius from the aforementioned proposed location.

NOTE: The word facilities as used in the context of the above and subsequent paragraphs denotes the following:

1. Tank batteries
2. Production facilities
3. Oil gathering lines
4. Gas gathering lines
5. Injection lines
6. Disposal lines

B. New Facilities Contemplated in the Event of Production  
(See Production Layout Exhibit "C".)

- B. 1 - 4: The Production Facilities (proposed) are shown on an attachment. It will be installed on the drilling location adjacent to the access road, to be constructed, to minimize surface disturbance. The battery facilities will be approximately 100' x 100', fenced to protect livestock and wildlife and will be constructed of soil material at the site. The proposed pit will be approximately 25' x 25' and will be in compliance with U.S.G.S. NTL-2B specifications.

Any necessary completion equipment on location site will be removed upon completion of the well. At this point in time it is planned to transport any future production via pipe line to gas line tie in.

C. Plan for Rehabilitation of Disturbed Areas No Longer Needed for Operation After Construction is Completed  
(See Exhibit "C" and Section 10.)

The reserve pit and other areas no longer needed for operation will be rehabilitated by seeding the areas, after leveling, with designated range grass when moisture content of the soil is adequate to insure germination. (As per BLM Area Representative.)

5. Location and Type of Water Supply

The water used to drill this well will be hauled by truck from a private source. The trucks will utilize the proposed location access road as depicted in Exhibit "B" and "E".

6. Source of Construction Materials

A, B, C and D: For the drilling operation, it is not anticipated that any construction materials will be needed; however, should they be needed, they will be purchased from a commercial source.

7. Methods of Handling Waste Material Disposal

- A. Cuttings: To be disposed of in the reserve pit and buried.
- B. Drilling Fluids: To be disposed of in the reserve pit and buried after the pit has dried.
- C. Produced Fluids: Such liquids shall be produced into tanks.
- D. Sewage: Portable toilets.
- E. Garbage and other Water Material: Disposal in a "burn" pit, enclosed on four sides and top with a wire mesh screen, ultimately buried. See Exhibit D.

7. Methods of Handling Waste Material Disposal (Continued)

F. The location will be cleaned upon completion of the well. All pits will be fenced. After the reserve pit has dried, the pits will be filled, waste buried, and restoration done as per Section 10.

8. Location of Camps and Ancillary Facilities:

None.

9. Well Site Layout (See Exhibit "D")

A, B, and C: See attached plats

D: The pits will be lined to prevent seepage.

10. Plans for Restoration of the Surface

After the drilling and completion operations have ceased, the mud pits will be fenced and allowed to dry. After the pit has dried out (several weeks), the fence will be removed. It will be filled in and leveled to conform with the topography of the land. At this time, the trash pit will also be backfilled and leveled. The remainder of the well site, in addition to the above mentioned pits, will be seeded with a designated range grass when the moisture content of the soil is adequate to insure seed germination. The proper range grass and information as to adequate moisture content of the soil will be furnished by the area BLM Representative.

11. Other Information

A. The location area is situated in the upper portion of the erosion zone where a plateau area terminates. The terrain is very broken and rugged with deep gullies and vertical cliffs. Numerous drainages, intermittent in nature, drain into Hook and Ladder Gulch, which in turn drain into intermittent Cane Creek. The location is to be built on a fairly level outcrop of Navajo sandstone, sparsely vegetated with pine trees, low desert shrubs, and grasses. The area supports minimal wildlife, small reptiles, rodents, mammals, and birds.

B. The primary use of the land is rangeland and is owned by the B.L.M.

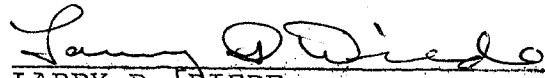
C. Only intermittent streams are in the area. There are no known occupied dwellings, historical, or cultural sites in the immediate area. Lithic scatter has been observed in the area of the location. Its significance has yet to be determined.

12. Lessee's or Operator's Representative:

Larry P. Diede  
600 South Cherry Street  
Denver, CO 80222

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access road; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by HUSKY OIL CORPORATION and its contractors and subcontractors in conformity with this plan and conditions under which it is approved.

  
\_\_\_\_\_  
LARRY P. DIEDE  
Agent for Husky Oil Company



## MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

### 1. Existing Roads

A map showing all roads is attached. This is a re-entry of an abandoned well. Minimum improvement of pre-existing roads only, will be necessary.

### 2. Planned Access Roads

No new access roads will be constructed. Pre-existing roads will be re-opened with no additional disturbance. No turnouts, drainage design, culverts, outside surface material, or gates will be required.

### 3. Location of Existing Wells

A two-mile radius map is attached identifying all wells.

### 4. Location of Existing and/or Proposed Facilities

- A. No facilities are owned or controlled by lessee/operator within a 1-mile radius.
- B. The production facilities should consist of two-400 barrel oil tanks, one-400 barrel fiberglass salt water tank, and a heater treater, all to be installed on the drilling location. Soil material at the site will be used in construction. Tank battery and treater will be fenced to protect wildlife and livestock.
- C. Rehabilitation of distrubed areas no longer needed will be done following BLM specifications.

### 5. Location and Type of Water Supply

All water used will be trucked to the location from a private source and stored in stèel tanks.

### 7. Methods of Handling Waste Material Disposal

- A. Cuttings on this re-entry will be minimal and will be hauled away.
- B. Drilling fluids will be removed by vacuum truck.
- C. Produced fluids will be transported by tank truck.
- D. Sewage: portable toilets.
- E. Garbage and other waste materials will be contained within a fenced area and removed by truck.
- F. The wellsite area will be restored to BLM specifications.

### 8. Ancillary Facilities

None.

9. Well Site Layout

A plat is attached showing rig orientation, parking areas, and access road. Only steel mud tanks will be used; no reserve pit. A pad smaller than the original will be utilized.

10. Plans for Restoration of the Surface

All necessary leveling and contouring will be done. Rehabilitation accomplished following BLM recommendations will be commenced immediately following completion of well.

11. Other Information

- A. The location is situated in the upper portion of the erosion zone where a plateau area terminates. The terrain is very broken and rugged with deep gullies and vertical cliffs. Numerous drainages, intermittent in nature, drain into Hook and Ladder Gulch, which in turn drain into intermittent Cane Creek. The location is on a fairly level outcrop of Navajo sandstone, sparsely vegetated. The area supports minimal wildlife, small reptiles, rodents, mammals, and birds.
- B. The primary use of the land is rangeland and is owned by the U. S. Federal Government and administered by the BLM.
- C. Only intermittent streams are in the area. There are no known occupied dwellings, historical, or cultural sites in the immediate area. Lithic scatter has been observed in the area of the location.

12. Lessee's or Operator's Representative

Donald N. Collins  
Sinclair Oil Corporation  
P. O. Box 1677  
Englewood, Colorado 80150

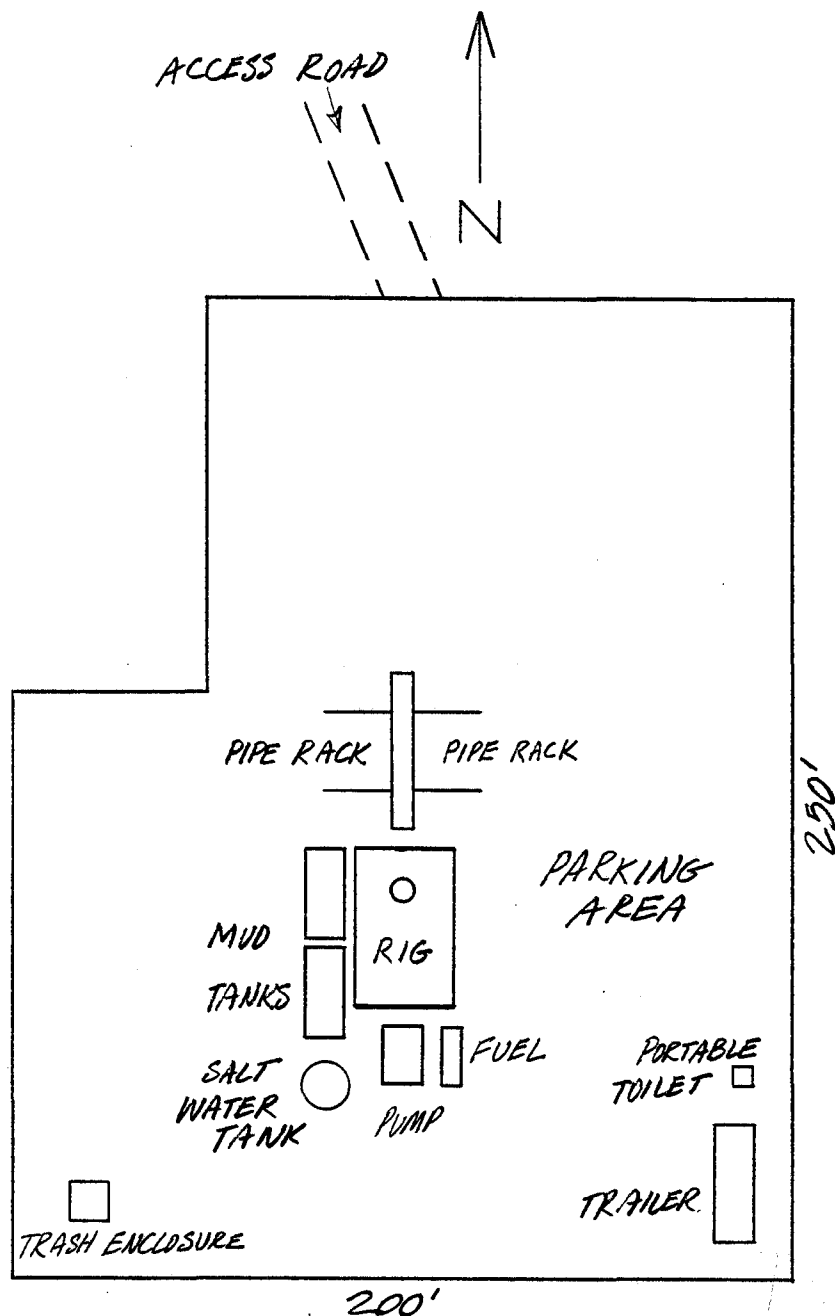
Telephone: Office: 303-761-9201; Residence: 303-526-0720

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by SINCLAIR OIL CORPORATION and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

June 11, 1981  
Date

Donald N. Collins  
DONALD N. COLLINS  
Manager, Expl. & Prod. Operations  
Sinclair Oil Corporation



SCALE: 1"=50'

JUN 15 1971  
DIVISION OF  
OIL, GAS & MINING

WELLSITE LAYOUT

Sinclair #13-30 Federal

## TEN POINT PROGRAM

### 1. Surface Formation

Navajo

### 2. Tops of Important Geologic Markers

Casing is set at 5321'.

Paradox Salt top is 5296'.

No geologic markers will be encountered in re-entry.

### 3. Depths at which Anticipated Water, Oil, or Gas are Expected to be Encountered

+ 7700' oil and gas

### 4. Casing Program

9-5/8" casing is set at 5321'. No additional casing will be set.

### 5. Pressure Control Equipment

(See attached schematic diagram). BOP's and choke manifold will be installed and pressured tested before commencing the re-entry of this well, and then will be checked daily as to mechanical operating condition.

### 6. Mud Program

Saturated salt mud with weight up to 13.9 ppg will be used as necessary. Sufficient mud materials to maintain mud properties, control lost circulation, and contain blowout will be available at wellsite.

### 7. Auxilliary Equipment

A. Drill pipe float.

B. Monitoring of mud system will be visual.

C. A sub on the floor with a full opening valve to be stabbed into drill pipe when Kelly or power swivel is not in string.

### 8. Logging

No logs are anticipated.

### 9. Abnormal Pressure

A gradient of 0.6 is anticipated. Estimated pressure at  $\pm$  7700' is 4700 psi.

### 10. Anticipated Starting Date

July 1, 1981

### 11. Duration of Operation

15 days

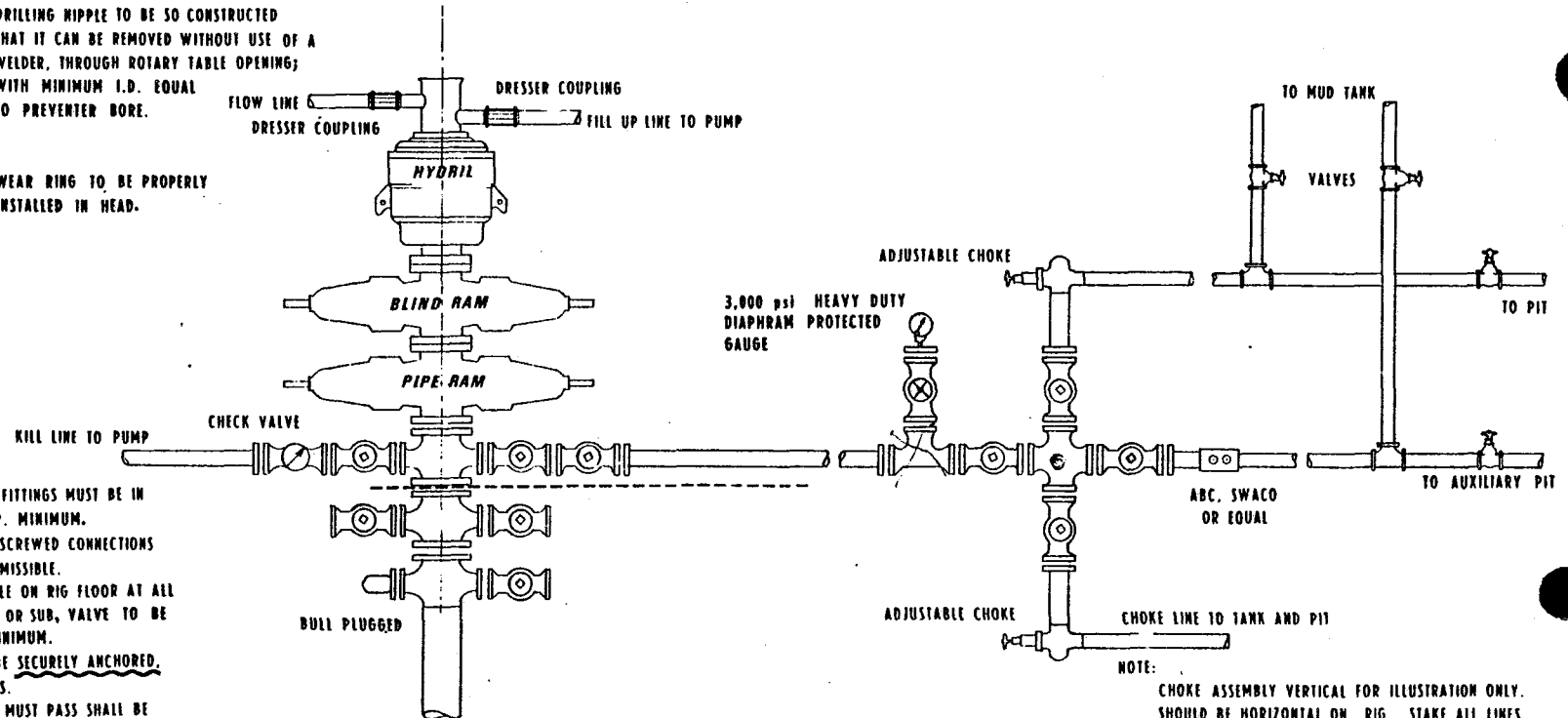


**EXHIBIT BOP-3000**  
**MINIMUM BLOW-OUT PREVENTER REQUIREMENTS**  
**3,000 psi W.P.**

**NOTE:**

1 DRILLING NIPPLE TO BE SO CONSTRUCTED THAT IT CAN BE REMOVED WITHOUT USE OF A WELDER, THROUGH ROTARY TABLE OPENING; WITH MINIMUM I.D. EQUAL TO PREVENTER BORE.

2 WEAR RING TO BE PROPERLY INSTALLED IN HEAD.



**NOTE:**

- 1 BLOW-OUT PREVENTERS AND ALL FITTINGS MUST BE IN GOOD CONDITION 3,000 psi W.P. MINIMUM.
- 2 ALL FITTINGS TO BE FLANGED. SCREWED CONNECTIONS DOWNSTREAM FROM CHOKES PERMISSIBLE.
- 3 SAFETY VALVE MUST BE AVAILABLE ON RIG FLOOR AT ALL TIMES WITH PROPER CONNECTION OR SUB, VALVE TO BE FULL BORE 5,000 psi W.P. MINIMUM.
- 4 ALL CHOKES AND KILL LINES TO BE SECURELY ANCHORED, ESPECIALLY ENDS OF CHOKES LINES.
- 5 EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS INSIDE DIAMETER OF THE CASING BEING DRILLED THROUGH.
- 6 KELLY COCK ON KELLY.
- 7 EXTENSION WRENCHES AND HAND WHEELS TO BE PROPERLY INSTALLED AND BRACED AT ALL TIMES.
- 8 BLOW-OUT PREVENTER CONTROL TO BE LOCATED AS CLOSE TO DRILLERS POSITION AS FEASIBLE.
- 9 BLOW-OUT PREVENTER CLOSING EQUIPMENT TO INCLUDE 30 GALLON ACCUMULATOR, TWO INDEPENDENT SOURCES OF PUMP POWER ON EACH CLOSING UNIT INSTALLATION, AND MEET ALL IADC SPECIFICATIONS.

**NOTE:**

ALL VALVES TO BE FULL OPENING

**NOTE:**

CHOKES ASSEMBLY VERTICAL FOR ILLUSTRATION ONLY. SHOULD BE HORIZONTAL ON RIG. STAKE ALL LINES SECURELY EVERY 30" AND AT END OF LINE.

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date:

June 20 -

Operator:

Husky Oil Co.

Well No:

Fed. 13 B30

Location:

Sec. 30 T. 29S R. 24E County: San Juan

File Prepared

☐

Card Indexed

☒

Entered on N.I.D.

API

Completion Sheet

☒  
☒  
☒

CHECKED BY:

Administrative Assistant

Aw

Remarks:

Petroleum Engineer

ok Pat

Remarks:

Director

7

Remarks:

Location to  
confirm  
Order in  
166-1 ---  
Spec. Fracture, hot  
8 Sec. 30 T29S  
R24E

INCLUDE WITHIN APPROVAL LETTER:

Bond Required

DD/Kud

Survey Plat Required

☐

Order No.

166-1 ☒

Surface Casing Change  
to

☐

Rule C-3(c), Topographic exception/company owns or controls acreage  
within a 660' radius of proposed site ☒

Order 166-1

O.K. Rule C-3

☐

O.K. In

Unit ☐

Other:

Letter Written  
ok

Notified  
Union Carbide,  
James Bird,  
6-21-77

June 21, 1977

Husky Oil Company  
600 South Cherry Street  
Denver, Colorado 80222

Re: Well No. Federal 13-30  
Sec. 30, T. 29 S, R. 24 E,  
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 166-1, dated May 25, 1977.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer  
HOME: 582-7247  
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after drilling operations have commenced, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30382.

Very truly yours,

CLEON B. FEIGHT  
Director

cc: U.S. Geological Survey

# HUSKY OIL

*Company*

600 SOUTH CHERRY STREET  
DENVER, COLORADO 80222

TELEPHONE **CIRCULATE TO:**

December 22, 1977

DIRECTOR \_\_\_\_\_  
PETROLEUM ENGINEER \_\_\_\_\_  
MINE COORDINATOR \_\_\_\_\_  
ADMINISTRATIVE ASSISTANT \_\_\_\_\_  
ALL \_\_\_\_\_

Mr. Jerry W. Long, District Engineer  
Branch of Oil & Gas Operations  
U. S. Geological Survey  
P. O. Box 1809  
Durango, Colorado 81301

RE: Application for Drilling Permit  
Husky #13-30 Federal Well  
San Juan County, Utah



Dear Mr. Long:

As stated in my letter of October 4, 1977 Husky is of the opinion that no further expense is warranted in order to satisfy requirements of the Bureau of Land Management to obtain a drilling permit for the captioned well.

Our reasons for this belief follow. I will apologize at the beginning for the length of this "position statement" but we feel that a complete review of this situation is critical and necessary. I also apologize for the delay however, as you can see from this letter, we wanted to make a thorough and detailed investigation and obtain all of the facts before insisting upon a decision through your office.

What follows is essentially a chronological and a narrative explanation of the current situation.

## DISCOVERY WELL

The discovery well on this geologic prospect is Husky No. 15-25 Federal Well, 1093' FSL, 1793' FEL, Section 25, T. 29S., R. 23E., SL Mer, San Juan County, Utah.

After spending \$112,435 in seismic exploration over a very local area to confirm a subsurface-seismic idea, Husky (on behalf of itself, General Crude Oil Co., Avance Oil & Gas Company, and Westcoast Oil & Gas) started paperwork for the drilling of this wildcat well. The location was selected in July, 1976 and fell on Federal Lease U-968 which had an expiration date of September 30, 1976. An Application for Permit to Drill was prepared, together with the required "NFI-6" Study and submitted to USGS on August 18, 1976. In late August a well location was staked, surveyed and inspected by USGS and BLM representatives with Husky and the drilling contractor. Approval was informally indicated and Husky committed to a drilling contractor. In early September, 1976 by means of a telephone call Husky first learned that there may be some problem with that location. A



Mr. Jerry W. Long

Page Two

December 22, 1977

1/10  
second on-site inspection was made on September 10, 1976 at which time the BLM archaeologist reported that he had found a piece of pottery on the surface together with flint chips on and immediately southeast of the location. (We have never seen this or any other pottery shard from either location.) Although the archaeologist could not indicate the relative importance of the alleged artifacts he had found, and had little or no concept of the actual or relative archaeological damage, if any, which would have been done by any drilling operation, and although no practical alternatives were suggested, a revised drilling application with a modified "NTL-6" Study was submitted on September 14, 1976 and the drillsite stated in the revised application was moved 200' north of the original drillsite.

9/21  
On September 27, 1976 this new drillsite was approved. The letter from the BLM to the USGS recommending approval, dated September 21, 1976 and attached to the approved application, is the first written reference that Husky received relative to any archaeological problem at the location. That letter refers to a "campsite". The new location was established, but the last minute change necessitated a significantly greater loss in trees, both pinon and juniper, in ground cover, and in surface disturbance. A substantial quantity of rock had to be blasted and leveled to prepare a place for a drillsite. There was absolutely no flexibility in the location, as a result of the topography, and the reserve pit and waste pits had to be located on essentially bare rock. Additionally the new location placed the Discovery Well site only 227' from the north line of the Federal lease. The Utah regulations require that wells be no closer to the lease line than 335'. This necessitated a trip to Salt Lake City to obtain an exception from the State of Utah.

Faced with the expiration of the Federal Lease on September 30, 1976 you can appreciate the dilemma faced by Husky as operator. All timing had been upset, and completion of the dirt work preceding the move of the rig appeared to be in jeopardy. We were required to keep the dirt contracting equipment on standby to be assured of available equipment when the permit was approved. We retained and kept on standby a dry-hole digger to cover us in the eventuality that the drilling rig would have insufficient time to move in, set up, and spud the hole by September 30, 1976. I need not elaborate upon the extra time this delicate planning required of our personnel, not to speak of the additional expense associated with extra equipment and standby time on all contracted equipment and personnel.

Fortunately the well was spudded in time to comply with the terms of the Federal Lease. After considerable difficulties while drilling, the well did reach the objective depth of 9579', was tested, and completed as a gas well on April 10, 1977, with an Initial Potential, flowing, of 5,000,000 CFPD, with some condensate. Total costs for drilling, testing and completing and equipping this well are just a few dollars short of \$1,800,000.

CONFIRMATION WELL

Husky No. 13-30 Federal, 1155' FSL 906' FWL, Section 30,  
T. 29S., R. 24E. SLM, San Juan County, Utah.

After reviewing the economics of the expensive Discovery Well, and assessing the prospect geology and geophysics, it was decided to drill a second well on Federal Lease U-16261 with the hope of delimiting and determining the size of the discovery. Economics appeared to dictate a 640 acre spacing and a request was made for a hearing before the State of Utah Oil & Gas Conservation Commission for that purpose. Preparations were completed to appear before the Commission at their regular session in April, 1977 in Salt Lake City.

Considering the high well costs, one of the steps in this spacing preparation was to select for confirmation the maximum subsurface target area on the prospect which would minimize the risk and yet not violate technical requirements. The comparable surface "target area" was field inspected by Husky personnel in April in order to determine topographic assessability. Surface and aerial reconnaissance and aerial photography were utilized. Two favorable and one less favorable drillsite locations within the target area were selected, surveyed and flagged in the field. On April 19, 1977 a preliminary field inspection was conducted by Husky, USGS, and BLM personnel. The two technically best locations were immediately rejected by BLM for several reasons. The first choice would have required a considerable amount of rock to be blasted and relocated and significant damage to the surface and to the aesthetic values would have occurred. The second choice location would also have required considerable surface damage and, in addition, an existing pipeline would have to be relocated or buried.

The third and only acceptable location to the BLM was the least desirable of the three locations from a geological point of view. The preliminary location was moved 150' north of Husky's stake by BLM with the hope of minimizing surface damage.

This third location was also the nearest of the three locations to the Discovery Well and required that an exception to the standard 640 acre spacing location be obtained. As a result we postponed our scheduled April appearance before the Oil & Gas Conservation Commission and rescheduled that appearance for May 25, 1977. We modified our submittal to include additional topographic displays in order to justify this location as the only location acceptable to BLM. The State Commission granted 640 acre spacing along with an exception to that spacing to permit location of the well on the drillsite selected by BLM as the only acceptable location within the technical target area.

Mr. Jerry W. Long

Page Four

December 22, 1977

As verbal approval had been given by the State, we commenced preparation of our Application to Drill in May and we had this "third" location officially surveyed and instituted the work required to complete the "NTL-6" Study. The Application for Permit to Drill, together with the NTL-6 assembly, was submitted on June 15, 1977 to the USGS and to the State of Utah. On June 21, 1977 we received approval from the State of Utah.

A staff report dated June 29, 1977, authored by Mr. Bruce D. Louthan of the BLM Office of Moab, Utah was received by Husky on July 18, 1977. Mr. Louthan's report was apparently prompted by a report dated June 12, 1977 from Joseph J. Lischka of the University of Colorado. Mr. Lischka's report, directed to Mr. Louthan, was not received by Husky until after the Application to Drill was submitted. Mr. Louthan's staff report of June 29th outlined rigid archaeological "mitigation" procedures for the road and for the 13-30 well location. His staff report referred to certain "proposed" guidelines, a copy of which we did not have nor did we know the origin of the proposed guidelines.

As a result of Mr. Louthan's report Husky engaged an archaeological consulting firm to review the "mitigation" requirements recommended by Mr. Louthan's report and determine the cost. This firm estimated that, exclusive of overhead and transportation, the steps recommended by Mr. Louthan could be accomplished for \$73,577! Husky did not consider that this was reasonable.

Consequently, Husky personnel met with USGS and BLM representatives in Moab, Utah on August 5, 1977 to discuss the archaeological situation. Notwithstanding the rather positive attitude expressed by Mr. Louthan as to the "significance" of the surface of the site, a program was "negotiated" for the purpose of mitigating the potential damages. It was subsequently admitted that "mitigation" was an inaccurate choice of terms since it had not been finally determined whether or not the surface of the location had cultural significance. It has also been subsequently admitted that only after "significance" has been determined can we find out what actual steps might be necessary to "mitigate" possible damage on the drillpad and the access road. It was rather clearly stated, however, that there would be no guarantee that a drilling permit would issue after we spent the money because a determination had to be made as to the "significance" of the materials found on the surface. Thus Mr. Backus stated in his letter of August 17, 1977 "[T]his proposal [for a cultural testing program] was accepted only as a means of testing to determine the need for and extent of, possible later mitigation...".

I wrote Mr. Backus on August 26, 1977 pointing out that the negotiated mitigation program would still cost approximately \$21,000 and seemed to be predicated upon the assumption that the site did in fact contain cultural material and that the material was significant. I suggested that



it had not been definitely determined that the material was cultural and, even if it was, that the material was significant. In the absence of a "culturally significant" site it appeared to me that a drilling permit should be issued.

At our request another meeting was held on September 1, 1977 in Moab, Utah in a last attempt to seek reason out of what had by then become a rather tangled and confused situation. Although several suggestions were made at the meeting as to the importance of the location as a "cultural site" it was also admitted that not enough was known about the area but that additional evidence had already been found indicating prehistoric useage of the area. Although a lengthy discussion was had, no evidence or written confirmation was given to Husky to support any of the claims so freely offered that this particular drillsite had any cultural significance over and above that of the entire Moab area sufficient to prevent useage.

We made attempts at the meeting to obtain a definition of "cultural significance" but none was forthcoming except that any artifacts of any nature were significant. We were not offered any specific guidelines nor have we been able to determine any formally adopted guidelines which would apply in this situation. (I should note that after this entire matter came to light in the fall of 1977 we were furnished with a copy of a document entitled "Procedures for Cultural Resource Professionals Performing Inventory and Mitigation Services for Small Project Clearances in Utah". This document did not appear to have an official stamp of approval but a proposed form attached was dated "July, 1977" leading us to believe that it had been proposed after Mr. Louthan had made the initial determination stated in his June 29, 1977 report requiring mitigation procedures.)

On September 1, 1977, after our morning meeting with BLM, we accompanied Mr. John Keller of the USGS Durango Office to the proposed drillsite for an additional personal inspection.

The proposed #13-30 drillsite is no different than most of the surrounding terrain, and is exactly what one would predict based on knowledge of regional outcrop geology. Northwest of the location, and at a higher elevation, is a sizeable outcrop of the Summerville formation, which contains regionally persistant chert masses. This is one of hundreds of similar Summerville outcrops in the vast Colorado Plateau region, not to mention other outcropping formations that contain abundant chert deposits. It is apparent that the surface chert was broken while it was being moved from the outcrops to the drillsite.

Two comments are important here: (1) Cherts and flints are present in every geologic system, worldwide, and enjoy extensive vertical and areal distribution; (2) for many millions of years before man appeared, Mother Nature was quite busy making "little ones out of big ones."

If time permitted, textbooks are replete with explanations of variable rock distribution patterns (including chert), using geologically commonplace phrases such as "...climatic conditions...", "...selective transportation...", "...sediment load...", "...resulting in striking and abrading during transportation...", "...characteristics retained after drifting...", "...source-distribution relationships...", "...effects of torrential, vigorous transportation...", "...erratic detrital and debris patterns...", "...abrasion, flaking and pitting, and percussion anomalies ...", etc., etc..

When in the field anywhere, differences in distribution and content of eroded chert on the surface provide one of the most immediate and reliable regional clues for recognizing and sorting out the many geologic factors affecting the surface. In summary, I personally am appalled at the gross lack of consideration given by the other "scientific" schools to both surface geology and outcrop geology in attempting to establish the "cultural significance" of the exfoliated chert.

My letter dated September 2, 1977 outlined very briefly our position and stated that Husky was unable to accept the conclusions that the site had any cultural or historic significance whatsoever. I there stated that Husky had, in its opinion, complied fully with the requirements of the Application for Permit to Drill, NTL-6, and the USGS.

Responding to that letter on September 7, 1977 Mr. Backus indicated that he would not approve the surface management portion of Husky's Application to Drill. Mr. Backus so advised you on the same date. On September 26, 1977 you requested that Husky advise you of its intentions and I stated, on October 4th, that we would prepare and forward our position statement which you now have.

#### SIGNIFICANT COMPLICATIONS RESULTING FROM THIS DELAY

1. Financial Uncertainties: Husky is the operator of both of these locations. We have been unable to prepare a firm authority for expenditure nor have we been able to notify the participants of the commencement date for purposes of preparing their budgets. Capital expenditures which might otherwise have been incurred in 1977 have thus been delayed to 1978 or beyond. This affects Husky as well as all other parties to the venture.
2. Drilling Rig Availability: Because of this delay we have been unable to execute a contract for a drilling rig with a known spud date. As a result we have gotten caught in the now severe rig shortage. If we were to receive clearance today it would take approximately three months to obtain a drilling rig.

3. Contractural Obligations: The drilling of the Discovery Well involved farmout and option agreements with several other companies having leases in the prospect area. In order to earn these interests by drilling, a second well was required - in this case a confirmation well to the discovery. The original documents were drawn to provide for reasonable periods between any discovery and confirmation well, however we have now had to obtain four separate extensions of these dates with the various participants. While these particular companies have been most understanding of the situation I must point out that loss of drilling rights and loss of the rights to earn additional producing interests in the prospect may be of substantial value.
4. Reserve Determinations: It is impossible to determine the reserves which we have discovered by the initial well without a confirmation well. We thus have no idea whether or not a substantial natural gas deposit lies below.
5. Marketing and Production: Without determining the known reserves we are unable to arrive at an acceptable long term sales contract; we cannot make sensible determinations of the size, capacity, and nature of the costly surface facilities which might be required; we have no idea of the size and economics of a gathering system and of pipeline connections; and we are unable, therefore, to produce or market the natural gas which has been discovered. As a result, a discovery is shut-in at a time when our nation may well need this additional supply of energy.

#### CONCLUSION

We have made a successful gas discovery in a highly complex geologic province with a low density of wildcat drilling. In our genuine attempts to drill a confirmation well (which we recognize will be costly) onerous land management situations have developed which are not at all conducive to development drilling, or to continued risky exploration in this unexplored geologic basin.

It cannot be said that we took a "willy-nilly" approach without regard to other interests or considerations. It cannot be said that we have made no effort to work with the State or with the Federal agencies. It cannot be said that we have assumed unreasonable positions or that we have been unyielding in our relationship with the Federal agencies. Husky does not consider our values to be misplaced; nor do we consider ourselves to be insensitive to matters of genuine significance.

Mr. Jerry W. Long

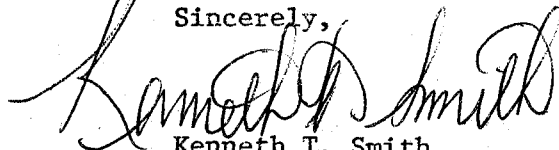
Page Eight

December 22, 1977

We do question a situation where "proposals" or "guidelines" become regulations merely upon the basis of adoption by one government employee. We question the belief that anything is "significant" until it is proven otherwise. We question the requirement that the cost to disprove "significance" must be borne by the applicant or by industry. We question a situation where a company which sincerely seeks a solution can never determine where it stands or what obligations it might be required to meet. We do not believe that Husky should have to be the sole recipient of costly delays.

We want very much to drill the confirmation well designated as 13-30 on Federal Lease U-16261 and produce the gas-condensate as quickly as possible. In accordance with your letter of September 26, 1977 we request that this matter be given higher level review and that a favorable decision be issued granting us the Permit to Drill.

Sincerely,



Kenneth T. Smith  
U. S. Exploration Manager  
Husky Oil Company

KTS:plw

cc: General Crude Oil Company  
Avance Oil & Gas Company  
Westcoast Oil & Gas Company  
U. V. Industries, Inc.  
Pennzoil United, Inc.  
Walter Duncan Oil Properties  
Oil & Gas Conservation Commission, State of Utah  
Husky Oil Company - Washington D.C. Office

SCOTT M. MATHESON  
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

CLEON B. FEIGHT  
*Director*

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

I. DANIEL STEWART  
*Chairman*

CHARLES R. HENDERSON  
JOHN L. BELL  
THADIS W. BOX  
C. RAY JUVELIN

August 17, 1978

Husky Oil Company  
600 South Cherry Street  
Denver, Colorado 80222

Re: Well No. Federal 13-30  
Sec. 30, T. 29S, R. 24E,  
San Juan County, Utah  
January 1978 thru' June 1978

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1b, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

A handwritten signature in cursive script, reading "Kathy Avila".

KATHY AVILA  
RECORDS CLERK

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Or instructions on  
reverse side)

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. U-16261	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME --	
		7. UNIT AGREEMENT NAME Hook & Ladder	
		8. FARM OR LEASE NAME Federal	
9. WELL NO. 13-30		10. FIELD AND POOL, OR WILDCAT Wildcat	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30, T29S, R24E, SLBM		12. COUNTY OR PARISH San Juan	
13. STATE Utah			
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6377' ground		

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Progress report

REPAIRING WELL

ALTERING CASING

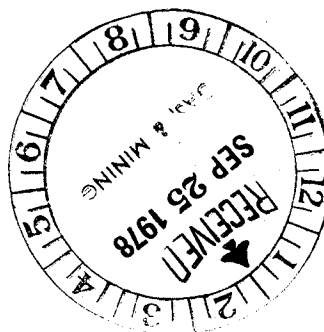
ABANDONMENT\*

☐  
☐  
☐  
☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Reports have not been filed because the well has not yet been spudded. We are still waiting for the U.S.G.S. and BLM to grant us a permit to drill on the above location.



18. I hereby certify that the foregoing is true and correct

SIGNED

*[Signature]*

TITLE

Senior Drilling Engineer

DATE

9/22/78

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

5. LEASE U-1626	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME Hook & Ladder	
8. FARM OR LEASE NAME Federal	
9. WELL NO. 13-30	
10. FIELD OR WILDCAT NAME Wildcat	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30-29S-24E SLBM	
12. COUNTY OR PARISH San Juan	13. STATE Utah
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 6377' Ground	

1. oil well <input type="checkbox"/> gas well <input checked="" type="checkbox"/> other
2. NAME OF OPERATOR Husky Oil Company
3. ADDRESS OF OPERATOR 600 S. Cherry St., Denver, CO 80222
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) AT SURFACE: 906' FWL & 1155' FSL AT TOP PROD. INTERVAL: Same AT TOTAL DEPTH: Same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input checked="" type="checkbox"/>
(other) Spud Well <input type="checkbox"/>	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The captioned well was spudded at 4:00 P.M., 11-16-78.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Sr. Drilling Engineer DATE 11-27-78

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

Open

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☒ well ☐ other

2. NAME OF OPERATOR  
Husky Oil Company

3. ADDRESS OF OPERATOR  
600 S. Cherry St., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 906' FWL & 1155' FSL  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐ ☐

FRACTURE TREAT ☐ ☐

SHOOT OR ACIDIZE ☐ ☐

REPAIR WELL ☐ ☐

PULL OR ALTER CASING ☐ ☐

MULTIPLE COMPLETE ☐ ☐

CHANGE ZONES ☐ ☐

ABANDON\* ☐ ☒

(other) Set Surface Casing

5. LEASE  
U-16261

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Hook & Ladder

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
13-30

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 30-29S-24E  
SLBM

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6377' Ground

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Surface casing was run and cemented in the captioned well in the following manner:

Casing 13 jts. 13 3/8" 48#/ft., K-55, ST&C casing set at 525' K.B.

Cement 540 sacks Class "B" 2% CaCl 1/4# Floseal per sack. Circulate to surface. Plug down at 8:30 P.M. 11-21-78

Subsurface Safety Valve: Manu. and Type Set @ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Sr. Drilling Engineer DATE 11-27-78

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Open

\*See Instructions on Reverse Side

NOV 30 1978  
U. S. GEOLOGICAL SURVEY  
DENVER, CO 80222

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other

2. NAME OF OPERATOR  
Husky Oil Company

3. ADDRESS OF OPERATOR  
600 S. Cherry St., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 906' FWL & 1155' FSL  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Set Intermediate Casing	

5. LEASE

U-16261

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
13-30

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 30-29S-24E  
SLBM

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6377' Ground

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Intermediate casing was run and cemented in the captioned well on December 19, 1978 in the following manner:

Casing	97 jts. of 9 5/8", 40#/ft., K-55, ST&C	2948'
	54 jts. of 9 5/8", 36#/ft., K-55, LT&C	2394'
		5332'

Set at 5321' K.B.

Cement 350 sacks of Class "B" Heat  
Plug down at 11:00 A.M., December 19, 1978

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Sr. Drilling Engineer DATE December 22, 1978

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒  
well well other

2. NAME OF OPERATOR  
Husky Oil Company

3. ADDRESS OF OPERATOR  
600 S. Cherry St., Denver, CO

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 906' FWL and 1155' FSL

AT TOP PROD. INTERVAL: Same

AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON\* ☐

(other) Monthly Progress Report

SUBSEQUENT REPORT OF:

☐

☐

☐

☐

☐

☐

☐

☐

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Presently nipple up BOP's after setting 9 5/8" intermediate casing at 5312'.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

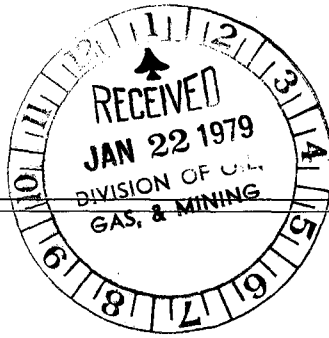
SIGNED [Signature] TITLE Sr. Drilling Engineer DATE December 22, 1978

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**Husky**

**Husky Oil Company**



600 South Cherry Street  
Denver, Colorado 80222  
(303) 320-4040

Mr. Pat Driscoll  
State of Utah  
Division of Oil, Gas, and Mining  
1588 West, North Temple  
Salt Lake City, Utah 84116

January 18, 1979

*2 copies*  
Sundry Notices  
13-30 Federal Hook & Ladder  
906' FWL and 1155' FSL, Lot 8  
Sec. 30-29S-24E, SLBM  
San Juan County, Utah

Dear Pat,

Enclosed please find a complete set of Sundry Notices for the captioned well, as filed with the U.S.G.S. Our records show that the State of Utah was inadvertently omitted from our distribution list on this well.

Yours truly,

L. P. Diede  
Sr. Drilling Engineer

/gh

*This was after the fact & impossible to change, with insufficient information to approve casing change*

*M.J. 2-2-79*

**\*See Instructions on Reverse Side**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐  
2. NAME OF OPERATOR  
Husky Oil Company  
3. ADDRESS OF OPERATOR  
600 S. Cherry St., Denver, CO 80222  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 906' FWL, 1155' FSL Sec. 30  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: Same  
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:  
TEST WATER SHUT-OFF ☐ ☐  
FRACTURE TREAT ☐ ☐  
SHOOT OR ACIDIZE ☐ ☐  
REPAIR WELL ☐ ☐  
PULL OR ALTER CASING ☐ ☐  
MULTIPLE COMPLETE ☐ ☐  
CHANGE ZONES ☐ ☐  
ABANDON\* ☒ ☐  
(other) ☐ ☐

5. LEASE  
U-16261  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Hook and Ladder  
9. WELL NO.  
13-30  
10. FIELD OR WILDCAT NAME  
Wildcat  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 30-29S-24E  
SLBM  
12. COUNTY OR PARISH  
San Juan  
13. STATE  
Utah  
14. API NO.  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6377'

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING  
DATE 3-5-79  
BY: M. J. M.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Husky Oil requests permission to plug and abandon the captioned well. Verbal permission received from your office on 2/1/79.

Plug #1 9200-8826', 150 sx. Class "B", 374' Mississippi formation  
Plug #2 8550-8350', 90 sx. Class "B", 200', Cane Creek formation  
Plug #3 8162-8030', 60 sx, Class "B", 132', oil zones in Paradox salt  
Plug #4 6200-6000', 70 sx, Class "B", 200', oil zones in Paradox salt  
Plug #5 5400-5250', 60 sx, Class "B", 150', 9-5/8" csg. shoe at 5321'  
Plug #6 180-10', 80 sx, Class "B", 170', surface plug in 9-5/8" csg.  
Job started 2/10/79. Job completed 2/11/79. Casinghead cut off at cellar level. Dry hole marker conforming to State of Utah, specifications set 2/13/79.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED L. P. Wade TITLE Dir. Supt. DATE 2/16/79

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYForm Approved.  
Budget Bureau No. 42-R1424

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen a well back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐2. NAME OF OPERATOR  
Husky Oil Company3. ADDRESS OF OPERATOR  
600 S. Cherry St., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 906' FWL &amp; 1155' FSL, Sec. 30

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON\* ☐(other) ☐☐  
☐  
☐  
☐  
☐  
☐  
☐  
☒

5. LEASE NO. U-16261	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Hook & Ladder	
9. WELL NO. 13-30	
10. FIELD OR WILDCAT NAME Wildcat	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30-29S-24E SLBM	
12. COUNTY OR PARISH San Juan	13. STATE Utah
14. API NO.	
15. ELEVATIONS (SHOW DEPTH, KDB, AND WD) 6377'	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The captioned well was plugged and abandoned in the following manner:  
Plug #1 9200-8826', 150 sx, Class "B", 374', Mississippi formation  
Plug #2 8550-8350', 90 sx, Class "B", 200', Cane Creek formation  
Plug #3 8162-8030', 60 sx, Class "B", 132', Oil zones in Paradox salt  
Plug #4 6200-6000', 70 sx, Class "B", 200', Oil zones in Paradox salt  
Plug #5 5400-5250', 60 sx, Class "B", 150', 9 5/8" csg. shoe at 5321'  
Plug #6 180-10', 80sx, Class "B", 170', Surface Plug in 9 5/8" csg.  
Job started 2-10-79, Job completed 2-11-79. Casing head cut off at  
cellar level. Dry hole marker conforming to State of Utah  
specifications set 2-13-79.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

18. I hereby certify that the foregoing is true and correct

SIGNED Jerry D. [Signature]TITLE Drilling Superintendent

Set @ \_\_\_\_\_ Ft.

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_



SCOTT M. MATHESON  
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple

Salt Lake City, Utah 84116

(801) 533-5771

CHARLES R. HENDERSON  
*Chairman*

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
CONSTANCE K. LUNDBERG  
EDWARD T. BECK  
E. STEELE McINTYRE

CLEON B. FEIGHT  
*Director*

December 27, 1979

Husky Oil Company  
600 S. Cherry St.  
Denver, Colo. 80222

RE: Well No. Federal # 13-30  
Sec. 30, T. 29S, R. 24E,  
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above referred to well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

DEBBIE BEAUREGARD  
CLERK-TYPIST

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____						5. LEASE DESIGNATION AND SERIAL NO. U-16261	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____						6. IF INDIAN, ALLOTTEE OR TRIBE NAME --	
2. NAME OF OPERATOR Husky Oil Company						7. UNIT AGREEMENT NAME --	
3. ADDRESS OF OPERATOR 600 So. Cherry St., Denver, Colorado 80222						8. FARM OR LEASE NAME --	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 906' FWL, 1155' FSL, Lot 8  At top prod. interval reported below  At total depth						9. WELL NO. 13-30	
14. PERMIT NO. _____ DATE ISSUED 10/10/78						10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DATE SPUDDED 11/16/78 16. DATE T.D. REACHED 1/24/79 17. DATE COMPL. (Ready to prod.) -- 2-11-79 P+A						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 30-29S-24E S.L.B.M.	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6377' GR, (KB +25')						12. COUNTY OR PARISH San Juan	
19. ELEV. CASINGHEAD 6377' GR						13. STATE Utah	
20. TOTAL DEPTH, MD & TVD 9534' 21. PLUG, BACK T.D., MD & TVD 8826' 22. IF MULTIPLE COMPL., HOW MANY* --						23. INTERVALS DRILLED BY All	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN BHC/Sonic/GR; DLL/GR; HRD; FIL						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
13-3/8		48		525 KB		17 1/2	
9-5/8		36-40		5321 KB		12 1/2	
				CEMENTING RECORD		AMOUNT PULLED	
				540 sx Class "B"		None	
				350 sx Class "B" Neat		"	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
--					SIZE	DEPTH SET (MD)	PACKER SET (MD)
					--		
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)			
				AMOUNT AND KIND OF MATERIAL USED			
33.* PRODUCTION							
DATE FIRST PRODUCTION N/A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					
DATE OF TEST		HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.
FLOW. TUBING PRESS.		CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITH DIVISION OF OIL, GAS & MINING	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>D. Rice</u>		TITLE <u>Div. Prod. Supt.</u>				DATE <u>Jan. 10, 1980</u>	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH TOP TRUE VERT. DEPTH
DST #1 Mississippi IHP 2570 IFP 960 (10 mins) ISIP 1255 (30 mins) FFP 960 (60 mins-reopened during final flow and dead in 10 min) FSIP 1171 (60 mins) FHP 5270 BHT 1200 F Recovery: 60' mud	9124	9305	Plugging Record: Plug #1 9200-8826 150 sx CI"B" Plug #2 8550-8350 90 sx CI"B" Plug #3 8162-8030 60 sx CI"B" Plug #4 6200-6000 70 sx CI"B" Plug #5 5400-5250 60 sx CI"B" Plug #6 180-10' 80 sx CI"B" Surface marker	Cutler Hermosa Paradox "A" Paradox Salt T/Cane Creek B/Cane Creek B/Salt Mississippi	1712 3120 4984 5304 8454 8517 9048
DST #2 Mississippi IHP 5408 IFP 856-1044 (6 mins-med. blow) ISIP 3279 (30 mins) FFP 1126-3280 (430 mins-med. blow, died in 313 mins) FSIP 3279 (369 mins) FHP 5387 Recovery: 6000' water cushion and influx, 5985' influx fluid, 1000' water cushion	9534	9297			

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH TOP TRUE VERT. DEPTH
DST #3 - MISRUN					
DST #4 - MISRUN					
DST #5 Cane Creek IHP 2942 IFP 825-1146 (30 mins) ISIP 1520 (30 mins) FFP 1146-1547 (26 hrs) FSIP 1761 (4 hrs) FHP 2942 BHT 110° F	5270	8866	Reversed out recovery of 4500' of fluid - 10 bbls clean oil and 58 bbls heavily oil and gas cut mud.		
DST #6 Cane Creek IHP 4804 IFP 418 ISIP 752 FFP 384-451 FSIP 1317 FHP 4752	8410	8826	Recovery: 90' gas cut mud		

January 21, 1980

Husky Oil Company  
600 So. Cherry Street  
Denver, Colorado 80222

Re: Well No. Federal 13-30  
Sec. 30, T. 29S, R. 24E,  
San Juan County, Utah

Gentlemen:

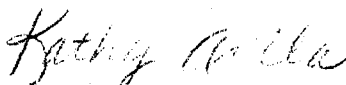
According to our records, a "Well Completion Report" filed with this office January 16, 1980, from above referred to well, indicates that the following electric logs were run: BHC/Sonic/GR; DLL/GR; HRD; FIL.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



KATHY AVILA  
RECORDS CLERK

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒ Re-entryDEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Sinclair Oil Corporation

## 3. ADDRESS OF OPERATOR

P. O. Box 1677, Englewood, Colorado 80150

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

906' FWL &amp; 1155' FSL

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 12 miles west southwest of LaSal, Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

906'

## 16. NO. OF ACRES IN LEASE

934.99

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

None

## 19. PROPOSED DEPTH

Clean out to +8000

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6377' GR

## 22. APPROX. DATE WORK WILL START\*

July 1, 1981

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

This is a re-entry of the Husky Oil Company #13-30 Federal which was drilled to 9534' TD, plugged and abandoned. We propose to re-enter, clean out to approximately 8000', and test the well. The hole is presently cased to 5321' with 9-5/8" casing. No additional casing is proposed.

JUN 15 1981

APPROVED BY THE STATE  
OF UTAH  
OIL, GAS, AND MININGDIVISION OF  
OIL, GAS & MININGDATE 6-26-81  
BY: M. T. Menden

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

Donald N. Collins

TITLE Mgr., Expl. &amp; Prod. Oper.

DATE June 11, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

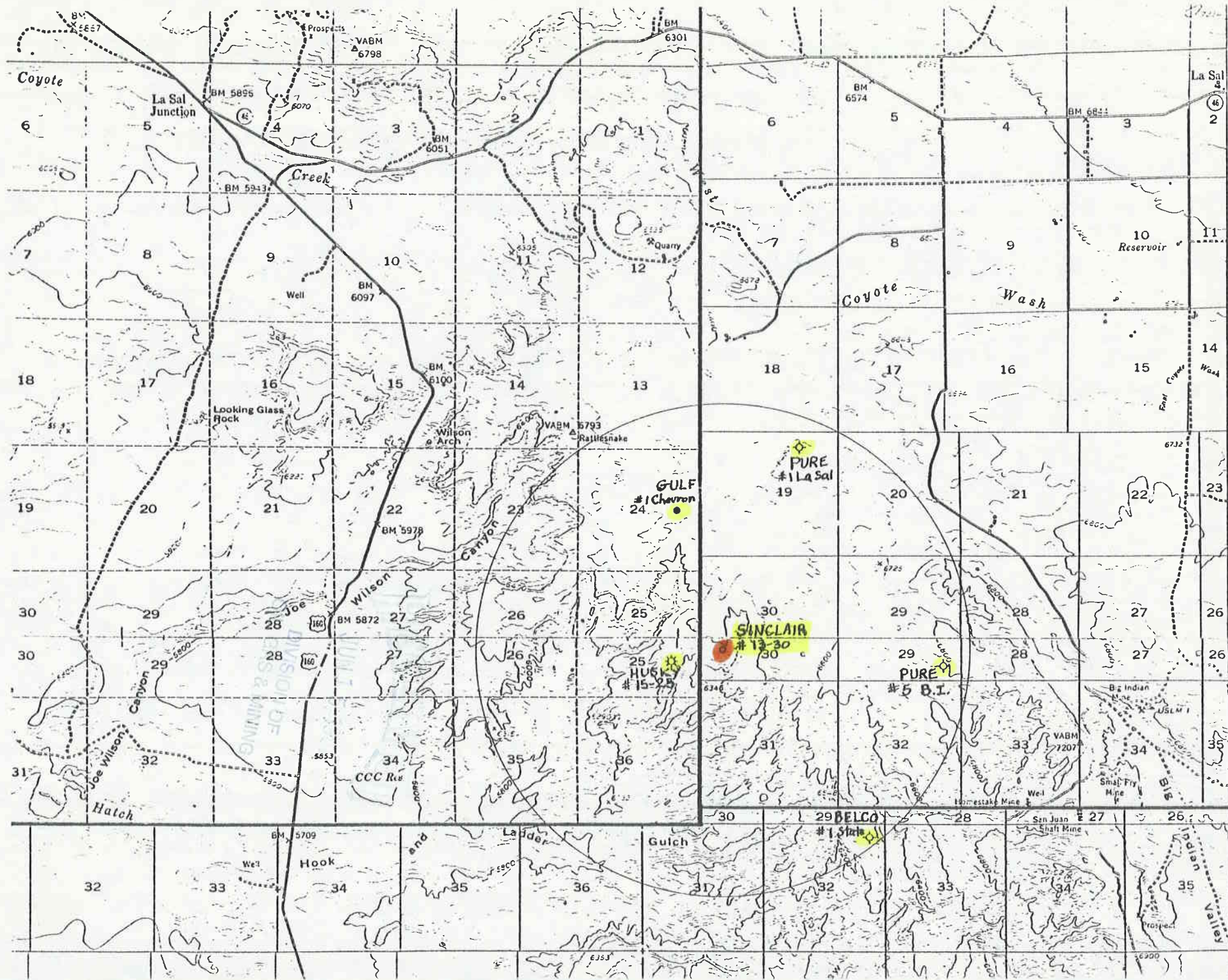
DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side



R24E



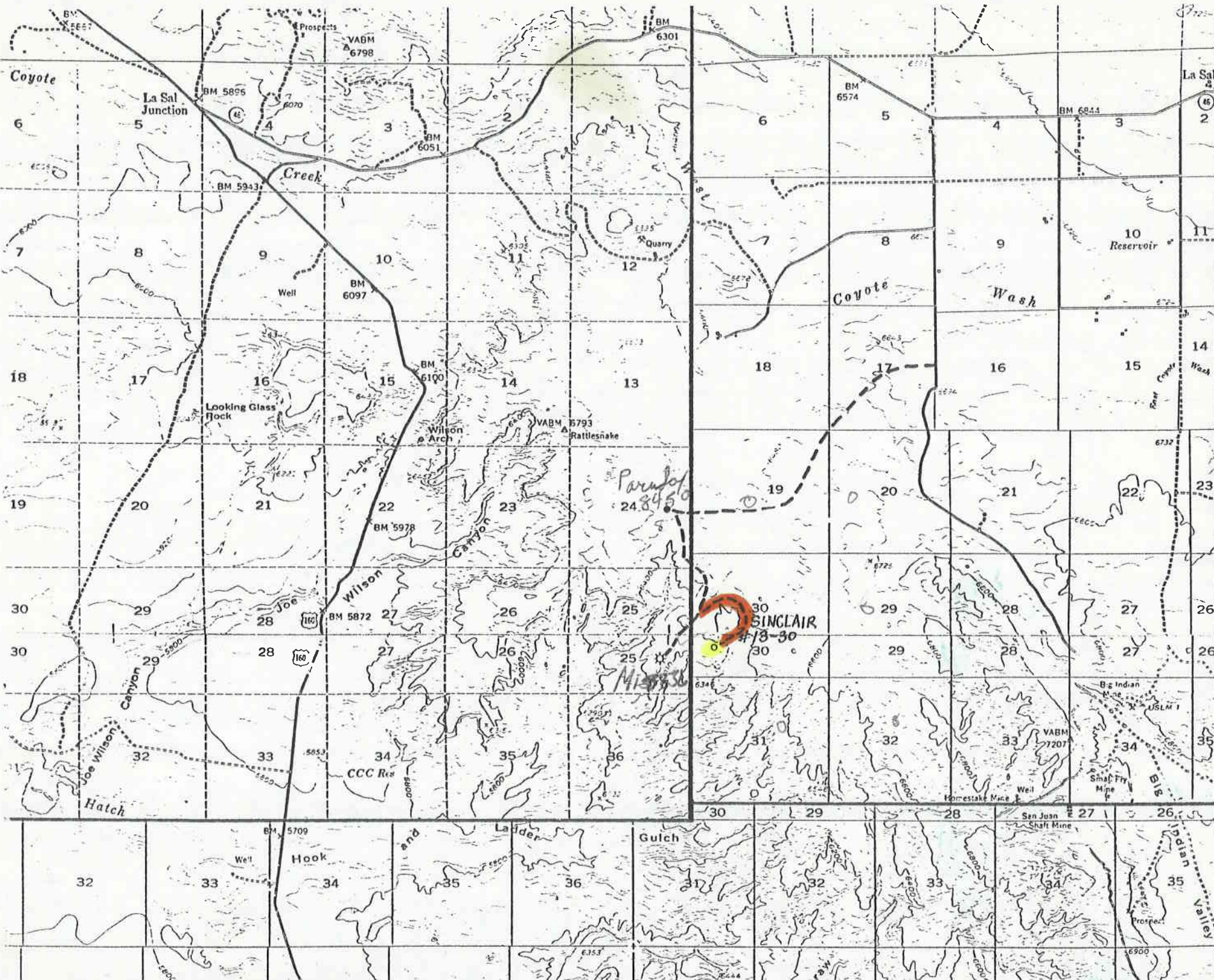
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DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

303-526-0720

NAME OF COMPANY: Sinclair Oil Corp.

Don Collins

WELL NAME: Federal #13-30

SECTION 30 TOWNSHIP 29S RANGE 24E COUNTY San Juan

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 9534' Re-Entry 8030'

CASING PROGRAM:

13 3/8" @ 525'  
9 5/8" @ 5321'  
8 3/4 Open hole to TD

FORMATION TOPS:

Navajo	Surface
Chinle	?
Cutler	1712'
Hermosa	3120'
Paradox	4984'
Salt	5312'
Salt Unconform	6785-TD

PLUGS SET AS FOLLOWS:

- 1) 7750-7500'
- 2) 5400-5200'
- 3) 3250-3150'
- 4) 1750-1650'
- 5) 50-Surface

9.2#, 50 vis fresh water gel based abandonment mud between plugs; clean, restore, and regrade site, erect regulation dryhole marker.

DATE 8-23-81

SIGNED MTM

*W. J. Munder*

September 28, 1981

Sinclair Oil Corporation  
P.O. Box 1677  
Englewood, CO 80150

Re: Well No. Federal 13-30  
Sec. 30, T. 29S, R. 24E  
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

TERRI REID  
CLERK-TYPIST

Enclosure

STATE OF UTAH

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

## OIL &amp; GAS CONSERVATION COMMISSION

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other <input type="checkbox"/>
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
		DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>		
2. NAME OF OPERATOR Sinclair Oil Corporation					
3. ADDRESS OF OPERATOR P. O. Box 1677, Englewood, Colorado 80150					
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)* At surface 1155' FSL & 906' FWL SWSW At top prod. interval reported below At total depth					
14. PERMIT NO. 43-037-30382		DATE ISSUED 6-21-77		5. LEASE DESIGNATION AND SERIAL NO. Utah 16261	
15. DATE SPUDDED 8/5/81		16. DATE T.D. REACHED 8/12/81		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6377' GR		7. UNIT AGREEMENT NAME	
19. ELEV. CASINGHEAD 6377'		12. COUNTY OR PARISH San Juan		13. STATE Utah	
20. TOTAL DEPTH, MD & TVD clean out to 8030'		21. PLUG, SACK T.D., MD & TVD		10. FIELD AND POOL, OR WILDCAT Wildcat	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →		11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA Sec. 30-T29S-R24E	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None		25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN None	
27. WAS WELL CORRED No		29. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
no additional	casing set				
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
33. PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in) DRY
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			TEST WITNESSED BY		
35. LIST OF ATTACHMENTS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Donald N. Collins</u>		TITLE <u>Mgr., Exploration &amp; Production Operations</u>		DATE <u>October 7, 1981</u>	

\*(See Instructions and Spaces for Additional Data on Reverse Side)